

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

|                 |                        |
|-----------------|------------------------|
| Product form    | : Mixture              |
| Trade name      | : BUBBLEGUM FR22109    |
| UFI             | :                      |
| Product code    | : FR22109              |
| Type of product | : Perfumes, fragrances |
| Product group   | : Trade product        |

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Relevant identified uses

|                                  |                                           |
|----------------------------------|-------------------------------------------|
| Main use category                | : Professional use, Industrial use        |
| Industrial/Professional use spec | : For professional use only<br>Industrial |
| Use of the substance/mixture     | : Perfumes, fragrances                    |
| Function or use category         | : Odour agents                            |

#### 1.3. Details of the supplier of the safety data sheet

#### 1.4. Emergency telephone number

|                  |                                                                                                                                          |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Emergency number | : 1-800-255-3924; +01-813-248-0585; China: +400-120-0751; Mexico: +01-800-099-0731;<br>Brazil: +0-800-591-6042; India: +000-800-100-4086 |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------|

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

|                                                                   |      |
|-------------------------------------------------------------------|------|
| Acute toxicity (oral), Category 4                                 | H302 |
| Serious eye damage/eye irritation, Category 2                     | H319 |
| Skin sensitisation, Category 1                                    | H317 |
| Hazardous to the aquatic environment – Acute Hazard, Category 1   | H400 |
| Hazardous to the aquatic environment – Chronic Hazard, Category 2 | H411 |
| Full text of H- and EUH-statements: see section 16                |      |

##### Adverse physicochemical, human health and environmental effects

Harmful if swallowed. Toxic to aquatic life with long lasting effects. May cause an allergic skin reaction. Causes serious eye irritation. Very toxic to aquatic life.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

|                         |   |                                                                                                                                                                         |
|-------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard pictograms (CLP) | : |   |
|                         |   | GHS07      GHS09                                                                                                                                                        |
| Signal word (CLP)       | : | Warning                                                                                                                                                                 |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contains                       | : Benzyl benzoate; d-Limonene; Methyl salicylate; Ethyl maltol; Clove Leaf Oil ; alpha-Methylcinnamic aldehyde; Veratryl aldehyde (Veratraldehyde); Allyl caproate; Linalool; Aldehyde C-16; Estragole (Methyl chavicol)                                                                                                                                                                                                         |
| Hazard statements (CLP)        | : H302 - Harmful if swallowed.<br>H317 - May cause an allergic skin reaction.<br>H319 - Causes serious eye irritation.<br>H410 - Very toxic to aquatic life with long lasting effects.                                                                                                                                                                                                                                           |
| Precautionary statements (CLP) | : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P264 - Wash hands, forearms and face thoroughly after handling.<br>P270 - Do not eat, drink or smoke when using this product.<br>P272 - Contaminated work clothing should not be allowed out of the workplace.<br>P273 - Avoid release to the environment.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. |
| Extra phrases                  | : For professional users only.                                                                                                                                                                                                                                                                                                                                                                                                   |

### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

| Component                                                                                                                                                                                                                                                                                                                               |                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| Substance(s) not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 | Methyl salicylate (119-36-8) |

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

| Name                                                                                                                  | Product identifier                                                                                  | %            | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                           |
|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| benzyl benzoate                                                                                                       | CAS-No.: 120-51-4<br>EC-No.: 204-402-9<br>EC Index-No.: 607-085-00-9<br>REACH-no: 01-2119976371-33  | 20.1 – 40.15 | Acute Tox. 4 (Oral), H302<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411                                                             |
| (R)-p-mentha-1,8-diene; d-limonene<br>substance with national workplace exposure limit(s)<br>(DE, ES, FI, SI, NO, CH) | CAS-No.: 5989-27-5<br>EC-No.: 205-341-0<br>EC Index-No.: 601-096-00-2<br>REACH-no: 01-2119493353-35 | 3.9 – 7.85   | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 3, H412 |
| Methyl salicylate                                                                                                     | CAS-No.: 119-36-8<br>EC-No.: 204-317-7<br>EC Index-No.: 607-749-00-8                                | 0.6 – 1.2    | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318<br>Skin Sens. 1B, H317<br>Repr. 2, H361d<br>Aquatic Chronic 3, H412                         |
| Ethyl maltol                                                                                                          | CAS-No.: 4940-11-8<br>EC-No.: 225-582-5                                                             | 0.5 – 1.05   | Acute Tox. 4 (Oral), H302                                                                                                                 |

# BUBBLEGUM #FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Name                                                                                                                                                                                                                                                                                | Product identifier                                                                                 | %                   | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Clove Leaf Oil                                                                                                                                                                                                                                                                      | CAS-No.: 8000-34-8<br>EC-No.: 616-772-2                                                            | 0.5 – 1.05          | Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304                                                                                   |
| isopentyl acetate<br>substance with national workplace exposure limit(s)<br>(AT, BE, BG, CY, DE, DK, EE, ES, FI, FR, GI, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, NO, CH, TR); substance with a Community workplace exposure limit                           | CAS-No.: 123-92-2<br>EC-No.: 204-662-3<br>EC Index-No.: 607-130-00-2<br>REACH-no: 01-2119548408-32 | 0.4 – 0.7           | Flam. Liq. 3, H226                                                                                                                              |
| alpha-Methylcinnamic aldehyde                                                                                                                                                                                                                                                       | CAS-No.: 101-39-3<br>EC-No.: 202-938-8<br>REACH-no: 01-2119538797-21                               | 0.3 – 0.6           | Skin Sens. 1, H317<br>Aquatic Chronic 1, H410                                                                                                   |
| Allyl caproate                                                                                                                                                                                                                                                                      | CAS-No.: 123-68-2<br>EC-No.: 204-642-4<br>REACH-no: 01-2119983573-26                               | 0.3 – 0.55          | Acute Tox. 3 (Oral), H301<br>Acute Tox. 3 (Dermal), H311<br>Acute Tox. 3 (Inhalation), H331<br>Aquatic Acute 1, H400<br>Aquatic Chronic 3, H412 |
| Linalool                                                                                                                                                                                                                                                                            | CAS-No.: 78-70-6<br>EC-No.: 201-134-4<br>EC Index-No.: 603-235-00-2<br>REACH-no: 01-2119474016-42  | 0.3 – 0.5           | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1B, H317                                                                                |
| Oenanthic ether (Ethyl heptanoate)                                                                                                                                                                                                                                                  | CAS-No.: 106-30-9<br>EC-No.: 203-382-9                                                             | 0.2 – 0.3           | Flam. Liq. 3, H226<br>Aquatic Acute 1, H400<br>Aquatic Chronic 3, H412                                                                          |
| Veratryl aldehyde (Veratraldehyde)                                                                                                                                                                                                                                                  | CAS-No.: 120-14-9<br>EC-No.: 204-373-2                                                             | 0.075 – 0.15        | Acute Tox. 4 (Oral), H302<br>Skin Sens. 1, H317                                                                                                 |
| Aldehyde C-16                                                                                                                                                                                                                                                                       | CAS-No.: 77-83-8<br>EC-No.: 201-061-8<br>REACH-no: 01-2119967770-28                                | 0.1 – 0.15          | Skin Sens. 1B, H317<br>Aquatic Chronic 2, H411                                                                                                  |
| Estragole (Methyl chavicol)                                                                                                                                                                                                                                                         | CAS-No.: 140-67-0<br>EC-No.: 205-427-8<br>REACH-no: 01-2120783278-41                               | 0.1 – 0.1           | Acute Tox. 4 (Oral), H302<br>Skin Sens. 1B, H317<br>Muta. 2, H341<br>Carc. 2, H351                                                              |
| Ethyl acetoacetate<br>substance with national workplace exposure limit(s)<br>(RO)                                                                                                                                                                                                   | CAS-No.: 141-97-9<br>EC-No.: 205-516-1                                                             | 0.1 – 0.1           | Not classified                                                                                                                                  |
| Dipropylene glycol monomethyl ether<br>substance with national workplace exposure limit(s)<br>(AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GI, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, NO, CH, TR); substance with a Community workplace exposure limit | CAS-No.: 34590-94-8<br>EC-No.: 252-104-2                                                           | 0.000762 – 0.001524 | Not classified                                                                                                                                  |
| Toluene<br>substance with national workplace exposure limit(s)<br>(AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GI, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, NO, CH, TR); substance with a Community workplace exposure limit                             | CAS-No.: 108-88-3<br>EC-No.: 203-625-9<br>EC Index-No.: 601-021-00-3                               | ≤ 0.000018          | Not classified                                                                                                                                  |

Full text of H- and EUH-statements: see section 16

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention. Suspected of causing cancer. If you feel unwell, seek medical advice (show the label where possible). Call a poison center or a doctor if you feel unwell.                                                                                                                                                                                                                                                                                              |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| First-aid measures after skin contact | : Wash with plenty of water/.... If skin irritation or rash occurs: Get immediate medical advice/attention. Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label). Wash contaminated clothing before reuse. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. |
| First-aid measures after eye contact  | : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.                                                                                                                                                                                                                                                                                |
| First-aid measures after ingestion    | : Call a POISON CENTER/doctor if you feel unwell. Do NOT induce vomiting. Obtain emergency medical attention. Rinse mouth. Call a poison center or a doctor if you feel unwell.                                                                                                                                                                                                                                                                                                                                                                                         |

#### 4.2. Most important symptoms and effects, both acute and delayed

|                                     |                                                                                                                                                 |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms/effects                    | : Suspected of damaging fertility or the unborn child. Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/effects after inhalation   | : May cause an allergic skin reaction.                                                                                                          |
| Symptoms/effects after skin contact | : May cause an allergic skin reaction.                                                                                                          |
| Symptoms/effects after eye contact  | : Eye irritation.                                                                                                                               |
| Symptoms/effects after ingestion    | : Swallowing a small quantity of this material will result in serious health hazard.                                                            |

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |                                                        |
|--------------------------------|--------------------------------------------------------|
| Suitable extinguishing media   | : Sand. Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                     |

#### 5.2. Special hazards arising from the substance or mixture

|                                                  |                                                    |
|--------------------------------------------------|----------------------------------------------------|
| Fire hazard                                      | : Combustible liquid.                              |
| Explosion hazard                                 | : May form flammable/explosive vapour-air mixture. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released.                     |

#### 5.3. Advice for firefighters

|                                |                                                                                                                                                                                                                                        |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.                                                                  |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

##### For non-emergency personnel

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

##### For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection. For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Precautions for safe handling : Ensure good ventilation of the work station. No open flames. No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures : Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Keep in fireproof place. Keep only in the original container in a cool, well ventilated place away from : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. Store in a well-ventilated place. Keep cool.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Heat sources. Sources of ignition. Direct sunlight.

Storage temperature : 25 °C

Storage area : Store in a well-ventilated place. Store away from heat.

Special rules on packaging : Store in a closed container.

Packaging materials : Do not store in corrodable metal.

#### 7.3. Specific end use(s)

No additional information available

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### National occupational exposure and biological limit values

| (R)-p-mentha-1,8-diene; d-limonene (5989-27-5)     |                                                                                                                       |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Finland - Occupational Exposure Limits             |                                                                                                                       |
| HTP (OEL TWA)                                      | 140 mg/m <sup>3</sup>                                                                                                 |
|                                                    | 25 ppm                                                                                                                |
| HTP (OEL STEL)                                     | 280 mg/m <sup>3</sup>                                                                                                 |
|                                                    | 50 ppm                                                                                                                |
| Germany - Occupational Exposure Limits (TRGS 900)  |                                                                                                                       |
| AGW (OEL TWA)                                      | 28 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
|                                                    | 5 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)                |
| Chemical category                                  | Skin notation, Skin sensitization                                                                                     |
| Slovenia - Occupational Exposure Limits            |                                                                                                                       |
| OEL TWA                                            | 28 mg/m <sup>3</sup>                                                                                                  |
|                                                    | 5 ppm                                                                                                                 |
| OEL STEL                                           | 112 mg/m <sup>3</sup>                                                                                                 |
|                                                    | 20 ppm                                                                                                                |
| OEL chemical category                              | Potential for cutaneous absorption                                                                                    |
| Spain - Occupational Exposure Limits               |                                                                                                                       |
| VLA-ED (OEL TWA)                                   | 168 mg/m <sup>3</sup>                                                                                                 |
|                                                    | 30 ppm                                                                                                                |
| OEL chemical category                              | Sensitizer, skin - potential for cutaneous absorption                                                                 |
| Norway - Occupational Exposure Limits              |                                                                                                                       |
| Grenseverdi (OEL TWA)                              | 140 mg/m <sup>3</sup>                                                                                                 |
|                                                    | 25 ppm                                                                                                                |
| Korttidsverdi (OEL STEL)                           | 175 mg/m <sup>3</sup> (value calculated)                                                                              |
|                                                    | 37.5 ppm (value calculated)                                                                                           |
| OEL chemical category                              | Allergenic substance                                                                                                  |
| Switzerland - Occupational Exposure Limits         |                                                                                                                       |
| MAK (OEL TWA)                                      | 40 mg/m <sup>3</sup>                                                                                                  |
|                                                    | 7 ppm                                                                                                                 |
| KZGW (OEL STEL)                                    | 80 mg/m <sup>3</sup>                                                                                                  |
|                                                    | 14 ppm                                                                                                                |
| OEL chemical category                              | Sensitizer                                                                                                            |
| isopentyl acetate (123-92-2)                       |                                                                                                                       |
| EU - Indicative Occupational Exposure Limit (IOEL) |                                                                                                                       |
| IOEL TWA                                           | 270 mg/m <sup>3</sup>                                                                                                 |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| isopentyl acetate (123-92-2)            |                                                      |
|-----------------------------------------|------------------------------------------------------|
|                                         | 50 ppm                                               |
| IOEL STEL                               | 540 mg/m <sup>3</sup>                                |
|                                         | 100 ppm                                              |
| Austria - Occupational Exposure Limits  |                                                      |
| MAK (OEL TWA)                           | 270 mg/m <sup>3</sup> (Pentyl acetate (all isomers)) |
|                                         | 50 ppm (Pentyl acetate (all isomers))                |
| MAK (OEL STEL)                          | 540 mg/m <sup>3</sup> (Pentylacetate)                |
|                                         | 100 ppm (Pentylacetate)                              |
| Belgium - Occupational Exposure Limits  |                                                      |
| OEL TWA                                 | 270 mg/m <sup>3</sup>                                |
|                                         | 50 ppm                                               |
| OEL STEL                                | 540 mg/m <sup>3</sup>                                |
|                                         | 100 ppm                                              |
| Bulgaria - Occupational Exposure Limits |                                                      |
| OEL TWA                                 | 270 mg/m <sup>3</sup>                                |
|                                         | 50 ppm                                               |
| OEL STEL                                | 540 mg/m <sup>3</sup>                                |
|                                         | 100 ppm                                              |
| Croatia - Occupational Exposure Limits  |                                                      |
| GVI (OEL TWA)                           | 270 mg/m <sup>3</sup>                                |
|                                         | 50 ppm                                               |
| KGVI (OEL STEL)                         | 540 mg/m <sup>3</sup>                                |
|                                         | 100 ppm                                              |
| Cyprus - Occupational Exposure Limits   |                                                      |
| OEL TWA                                 | 270 mg/m <sup>3</sup>                                |
|                                         | 50 ppm                                               |
| OEL STEL                                | 540 mg/m <sup>3</sup>                                |
|                                         | 100 ppm                                              |
| Denmark - Occupational Exposure Limits  |                                                      |
| OEL TWA                                 | 271 mg/m <sup>3</sup> (Amyl acetate, all isomers)    |
|                                         | 50 ppm (Amyl acetate, all isomers)                   |
| OEL STEL                                | 540 mg/m <sup>3</sup>                                |
|                                         | 100 ppm                                              |
| Estonia - Occupational Exposure Limits  |                                                      |
| OEL TWA                                 | 270 mg/m <sup>3</sup>                                |
|                                         | 50 ppm                                               |
| OEL STEL                                | 540 mg/m <sup>3</sup>                                |
|                                         | 100 ppm                                              |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| isopentyl acetate (123-92-2)                      |                                           |
|---------------------------------------------------|-------------------------------------------|
| Finland - Occupational Exposure Limits            |                                           |
| HTP (OEL TWA)                                     | 270 mg/m <sup>3</sup> (Pentyl acetate)    |
|                                                   | 50 ppm (Pentyl acetate)                   |
| HTP (OEL STEL)                                    | 540 mg/m <sup>3</sup>                     |
|                                                   | 100 ppm                                   |
| France - Occupational Exposure Limits             |                                           |
| VLEP 8h (OEL TWA)                                 | 270 mg/m <sup>3</sup> (restrictive limit) |
|                                                   | 50 ppm (restrictive limit)                |
| VLEP CT (OEL STEL)                                | 540 mg/m <sup>3</sup> (restrictive limit) |
|                                                   | 100 ppm (restrictive limit)               |
| Germany - Occupational Exposure Limits (TRGS 900) |                                           |
| AGW (OEL TWA)                                     | 270 mg/m <sup>3</sup>                     |
|                                                   | 50 ppm                                    |
| Gibraltar - Occupational Exposure Limits          |                                           |
| OEL TWA                                           | 270 mg/m <sup>3</sup>                     |
|                                                   | 50 ppm                                    |
| OEL STEL                                          | 540 mg/m <sup>3</sup>                     |
|                                                   | 100 ppm                                   |
| Greece - Occupational Exposure Limits             |                                           |
| OEL TWA                                           | 530 mg/m <sup>3</sup>                     |
|                                                   | 100 ppm                                   |
| OEL STEL                                          | 800 mg/m <sup>3</sup>                     |
|                                                   | 150 ppm                                   |
| Hungary - Occupational Exposure Limits            |                                           |
| AK (OEL TWA)                                      | 270 mg/m <sup>3</sup>                     |
| CK (OEL STEL)                                     | 540 mg/m <sup>3</sup>                     |
| Ireland - Occupational Exposure Limits            |                                           |
| OEL TWA                                           | 260 mg/m <sup>3</sup>                     |
|                                                   | 50 ppm                                    |
| OEL STEL                                          | 520 mg/m <sup>3</sup>                     |
|                                                   | 100 ppm                                   |
| Italy - Occupational Exposure Limits              |                                           |
| OEL TWA                                           | 270 mg/m <sup>3</sup>                     |
|                                                   | 50 ppm                                    |
| OEL STEL                                          | 540 mg/m <sup>3</sup>                     |
|                                                   | 100 ppm                                   |
| Latvia - Occupational Exposure Limits             |                                           |
| OEL TWA                                           | 270 mg/m <sup>3</sup>                     |
|                                                   | 50 ppm                                    |



# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| isopentyl acetate (123-92-2)               |                                                               |
|--------------------------------------------|---------------------------------------------------------------|
| Lithuania - Occupational Exposure Limits   |                                                               |
| IPRV (OEL TWA)                             | 270 mg/m <sup>3</sup>                                         |
|                                            | 50 ppm                                                        |
| TPRV (OEL STEL)                            | 540 mg/m <sup>3</sup>                                         |
|                                            | 100 ppm                                                       |
| Luxembourg - Occupational Exposure Limits  |                                                               |
| OEL TWA                                    | 270 mg/m <sup>3</sup>                                         |
|                                            | 50 ppm                                                        |
| OEL STEL                                   | 540 mg/m <sup>3</sup>                                         |
|                                            | 100 ppm                                                       |
| Malta - Occupational Exposure Limits       |                                                               |
| OEL TWA                                    | 270 mg/m <sup>3</sup>                                         |
|                                            | 50 ppm                                                        |
| OEL STEL                                   | 540 mg/m <sup>3</sup>                                         |
|                                            | 100 ppm                                                       |
| Netherlands - Occupational Exposure Limits |                                                               |
| TGG-15min (OEL STEL)                       | 530 mg/m <sup>3</sup>                                         |
|                                            | 98.1 ppm                                                      |
| Poland - Occupational Exposure Limits      |                                                               |
| NDS (OEL TWA)                              | 250 mg/m <sup>3</sup>                                         |
| NDSch (OEL STEL)                           | 500 mg/m <sup>3</sup>                                         |
| Portugal - Occupational Exposure Limits    |                                                               |
| OEL TWA                                    | 270 mg/m <sup>3</sup> (indicative limit value)                |
|                                            | 50 ppm (indicative limit value (Pentyl acetate, all isomers)) |
| OEL STEL                                   | 540 mg/m <sup>3</sup> (indicative limit value)                |
|                                            | 100 ppm (indicative limit value)                              |
| Romania - Occupational Exposure Limits     |                                                               |
| OEL TWA                                    | 270 mg/m <sup>3</sup>                                         |
|                                            | 50 ppm                                                        |
| OEL STEL                                   | 540 mg/m <sup>3</sup>                                         |
|                                            | 100 ppm                                                       |
| Slovakia - Occupational Exposure Limits    |                                                               |
| NPHV (OEL TWA)                             | 270 mg/m <sup>3</sup>                                         |
|                                            | 50 ppm                                                        |
| NPHV (OEL C)                               | 540 mg/m <sup>3</sup>                                         |
| Slovenia - Occupational Exposure Limits    |                                                               |
| OEL TWA                                    | 270 mg/m <sup>3</sup>                                         |
|                                            | 50 ppm                                                        |
| OEL STEL                                   | 540 mg/m <sup>3</sup>                                         |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| isopentyl acetate (123-92-2)                       |                                                    |
|----------------------------------------------------|----------------------------------------------------|
|                                                    | 100 ppm                                            |
| Spain - Occupational Exposure Limits               |                                                    |
| VLA-ED (OEL TWA)                                   | 270 mg/m <sup>3</sup> (indicative limit value)     |
|                                                    | 50 ppm (indicative limit value)                    |
| VLA-EC (OEL STEL)                                  | 540 mg/m <sup>3</sup>                              |
|                                                    | 100 ppm                                            |
| Sweden - Occupational Exposure Limits              |                                                    |
| NGV (OEL TWA)                                      | 270 mg/m <sup>3</sup>                              |
|                                                    | 50 ppm                                             |
| KGV (OEL STEL)                                     | 540 mg/m <sup>3</sup>                              |
|                                                    | 100 ppm                                            |
| Norway - Occupational Exposure Limits              |                                                    |
| Grenseverdi (OEL TWA)                              | 260 mg/m <sup>3</sup>                              |
|                                                    | 50 ppm                                             |
| Korttidsverdi (OEL STEL)                           | 325 mg/m <sup>3</sup> (value calculated)           |
|                                                    | 75 ppm (value calculated)                          |
| Switzerland - Occupational Exposure Limits         |                                                    |
| MAK (OEL TWA)                                      | 260 mg/m <sup>3</sup> (Pentyl acetate all isomers) |
|                                                    | 50 ppm (Pentyl acetate all isomers)                |
| KZGW (OEL STEL)                                    | 260 mg/m <sup>3</sup> (Pentyl acetate all isomers) |
|                                                    | 50 ppm (Pentyl acetate all isomers)                |
| USA - ACGIH - Occupational Exposure Limits         |                                                    |
| ACGIH® TLV® TWA                                    | 50 ppm (Pentyl acetate, all isomers)               |
| ACGIH® TLV® STEL                                   | 100 ppm (Pentyl acetate, all isomers)              |
| Toluene (108-88-3)                                 |                                                    |
| EU - Indicative Occupational Exposure Limit (IOEL) |                                                    |
| IOEL TWA                                           | 192 mg/m <sup>3</sup>                              |
|                                                    | 50 ppm                                             |
| IOEL STEL                                          | 384 mg/m <sup>3</sup>                              |
|                                                    | 100 ppm                                            |
| Remark                                             | Possibility of significant uptake through the skin |
| Austria - Occupational Exposure Limits             |                                                    |
| MAK (OEL TWA)                                      | 190 mg/m <sup>3</sup>                              |
|                                                    | 50 ppm                                             |
| MAK (OEL STEL)                                     | 380 mg/m <sup>3</sup>                              |
|                                                    | 100 ppm                                            |
| OEL chemical category                              | Skin notation                                      |
| Belgium - Occupational Exposure Limits             |                                                    |
| OEL TWA                                            | 77 mg/m <sup>3</sup>                               |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Toluene (108-88-3)</b>                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                      | 20 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| OEL STEL                                             | 384 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                      | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| OEL chemical category                                | Skin, Skin notation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Bulgaria - Occupational Exposure Limits</b>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| OEL TWA                                              | 192 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                      | 50 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| OEL STEL                                             | 384 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                      | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Bulgaria - Biological limit values</b>            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BLV                                                  | 1.6 mmol/mmol Creatinine Parameter: Hippuric acid - Medium: urine - Sampling time: at the end of exposure or end of work shift                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Croatia - Occupational Exposure Limits</b>        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| GVI (OEL TWA)                                        | 192 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                      | 50 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| KGVl (OEL STEL)                                      | 384 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                      | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| OEL chemical category                                | Skin notation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Croatia - Biological limit values</b>             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BLV                                                  | 1 mg/l Parameter: Toluene - Medium: blood - Sampling time: at the end of the work shift<br>20 ppm Parameter: Toluene - Medium: final exhaled air - Sampling time: during exposure<br>2.5 g/g creatinine Parameter: Hippuric acid - Medium: urine - Sampling time: at the end of the work shift (calculated on the average Creatinine value of 1.2 g/L urine)<br>1 mg/g creatinine Parameter: o-Cresol - Medium: urine - Sampling time: at the end of the work shift (calculated on the average Creatinine value of 1.2 g/L urine) |
| <b>Cyprus - Occupational Exposure Limits</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| OEL TWA                                              | 192 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                      | 50 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| OEL STEL                                             | 384 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                      | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| OEL chemical category                                | Skin-potential for cutaneous absorption                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Czech Republic - Occupational Exposure Limits</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| PEL (OEL TWA)                                        | 200 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| OEL chemical category                                | Potential for cutaneous absorption                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Toluene (108-88-3)                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Czech Republic - Biological limit values |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BLV                                      | 1.6 µmol/mmol Creatinine Parameter: o-Cresol - Medium: urine - Sampling time: end of shift (after hydrolysis)<br>1000 µmol/mmol Creatinine Parameter: Hippuric acid - Medium: urine - Sampling time: end of shift (exposure testing using the o-Cresol parameter to precisely measure Toluene exposure is needed if the value of Hippuric acid is between 1600 and 2500 mg/g of Creatinine, no additional testing is needed if the Hippuric acid value is >2500 mg/g of Creatinine as work exposure to Toluene will have highly exceeded the PEL value.)<br>1.5 mg/g creatinine Parameter: o-Cresol - Medium: urine - Sampling time: end of shift (after hydrolysis)<br>1600 mg/g creatinine Parameter: Hippuric acid - Medium: urine - Sampling time: end of shift (exposure testing using the o-Cresol parameter to precisely measure Toluene exposure is needed if the value of Hippuric acid is between 1600 and 2500 mg/g of Creatinine, no additional testing is needed if the Hippuric acid value is >2500 mg/g of Creatinine as work exposure to Toluene will have highly exceeded the PEL value.) |
| Denmark - Occupational Exposure Limits   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| OEL TWA                                  | 94 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                          | 25 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| OEL STEL                                 | 384 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                          | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| OEL chemical category                    | Potential for cutaneous absorption                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Estonia - Occupational Exposure Limits   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| OEL TWA                                  | 192 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                          | 50 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| OEL STEL                                 | 384 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                          | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| OEL chemical category                    | Skin notation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Finland - Occupational Exposure Limits   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| HTP (OEL TWA)                            | 81 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                          | 25 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| HTP (OEL STEL)                           | 380 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                          | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| OEL chemical category                    | Potential for cutaneous absorption                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Finland - Biological limit values        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BLV                                      | 500 nmol/L Parameter: Toluene - Medium: blood - Sampling time: in the morning after a working day                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| France - Occupational Exposure Limits    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| VLEP 8h (OEL TWA)                        | 76.8 mg/m <sup>3</sup> (restrictive limit)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                          | 20 ppm (restrictive limit)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| VLEP CT (OEL STEL)                       | 384 mg/m <sup>3</sup> (restrictive limit)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                          | 100 ppm (restrictive limit)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| OEL chemical category                    | Reproductive Toxin category 2, Risk of cutaneous absorption                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Toluene (108-88-3)                                |                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| France - Biological limit values                  |                                                                                                                                                                                                                                                                                                                                                                                                           |
| BLV                                               | 20 µg/l Parameter: Toluene - Medium: blood - Sampling time: end of workweek (Semi-quantitative (ambiguous interpretation))<br>Parameter: Hippuric acid - Medium: urine - Sampling time: end of shift (per the Authority, the values for this substance must be decided and/or determined on a case by case basis. Guidance for the calculation of and interpretation of values is provided in the source) |
| Germany - Occupational Exposure Limits (TRGS 900) |                                                                                                                                                                                                                                                                                                                                                                                                           |
| AGW (OEL TWA)                                     | 190 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)                                                                                                                                                                                                                                                                                    |
|                                                   | 50 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)                                                                                                                                                                                                                                                                                                   |
| Chemical category                                 | Skin notation                                                                                                                                                                                                                                                                                                                                                                                             |
| Germany - Biological limit values (TRGS 903)      |                                                                                                                                                                                                                                                                                                                                                                                                           |
| Biological limit value                            | 600 µg/l Parameter: Toluene - Medium: whole blood - Sampling time: immediately after exposure<br>75 µg/l Parameter: Toluene - Medium: urine - Sampling time: end of exposure or shift<br>1.5 mg/l Parameter: o-Cresol (after hydrolysis) - Medium: urine - Sampling time: at the end of the shift, in case of long-term exposure after several previous shifts                                            |
| Gibraltar - Occupational Exposure Limits          |                                                                                                                                                                                                                                                                                                                                                                                                           |
| OEL TWA                                           | 192 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                   | 50 ppm                                                                                                                                                                                                                                                                                                                                                                                                    |
| OEL STEL                                          | 384 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                   | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                   |
| OEL chemical category                             | Skin notation                                                                                                                                                                                                                                                                                                                                                                                             |
| Greece - Occupational Exposure Limits             |                                                                                                                                                                                                                                                                                                                                                                                                           |
| OEL TWA                                           | 192 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                   | 50 ppm                                                                                                                                                                                                                                                                                                                                                                                                    |
| OEL STEL                                          | 384 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                   | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                   |
| OEL chemical category                             | skin - potential for cutaneous absorption                                                                                                                                                                                                                                                                                                                                                                 |
| Hungary - Occupational Exposure Limits            |                                                                                                                                                                                                                                                                                                                                                                                                           |
| AK (OEL TWA)                                      | 190 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                     |
| CK (OEL STEL)                                     | 384 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                     |
| OEL chemical category                             | Potential for cutaneous absorption                                                                                                                                                                                                                                                                                                                                                                        |
| Ireland - Occupational Exposure Limits            |                                                                                                                                                                                                                                                                                                                                                                                                           |
| OEL TWA                                           | 192 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                   | 50 ppm                                                                                                                                                                                                                                                                                                                                                                                                    |
| OEL STEL                                          | 384 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                   | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                   |
| OEL chemical category                             | Potential for cutaneous absorption                                                                                                                                                                                                                                                                                                                                                                        |
| Italy - Occupational Exposure Limits              |                                                                                                                                                                                                                                                                                                                                                                                                           |
| OEL TWA                                           | 192 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                     |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Toluene (108-88-3)</b>                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                   | 50 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| OEL chemical category                             | skin - potential for cutaneous absorption                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Latvia - Occupational Exposure Limits</b>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| OEL TWA                                           | 50 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                   | 14 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| OEL chemical category                             | skin - potential for cutaneous exposure                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Latvia - Biological Exposure Indices</b>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BEI                                               | 600 µg/l Parameter: Toluene - Medium: blood - Sampling time: at the end of exposure (for assessment of long-term exposure, samples are taken at the end of a shift after several previous shifts)<br>75 µg/l Parameter: Toluene - Medium: urine - Sampling time: end of shift (for assessment of long-term exposure, samples are taken at the end of a shift after several previous shifts)<br>1.5 mg/l Parameter: o-Cresol - Medium: urine - Sampling time: at the end of exposure or shift (after hydrolysis) |
| <b>Lithuania - Occupational Exposure Limits</b>   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| IPRV (OEL TWA)                                    | 192 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                   | 50 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| TPRV (OEL STEL)                                   | 384 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                   | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| OEL chemical category                             | Reproductive toxin, Skin notation                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Luxembourg - Occupational Exposure Limits</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| OEL TWA                                           | 192 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                   | 50 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| OEL STEL                                          | 384 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                   | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| OEL chemical category                             | Possibility of significant uptake through the skin                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Malta - Occupational Exposure Limits</b>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| OEL TWA                                           | 192 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                   | 50 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| OEL STEL                                          | 384 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                   | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| OEL chemical category                             | Possibility of significant uptake through the skin                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Netherlands - Occupational Exposure Limits</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| TGG-8u (OEL TWA)                                  | 150 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                   | 39 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| TGG-15min (OEL STEL)                              | 384 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                   | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Poland - Occupational Exposure Limits</b>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| NDS (OEL TWA)                                     | 100 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NDSch (OEL STEL)                                  | 200 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Toluene (108-88-3)                      |                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Portugal - Occupational Exposure Limits |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| OEL TWA                                 | 192 mg/m <sup>3</sup> (indicative limit value)                                                                                                                                                                                                                                                                                                                                                                        |
|                                         | 50 ppm (indicative limit value)                                                                                                                                                                                                                                                                                                                                                                                       |
| OEL STEL                                | 384 mg/m <sup>3</sup> (indicative limit value)                                                                                                                                                                                                                                                                                                                                                                        |
|                                         | 100 ppm (indicative limit value)                                                                                                                                                                                                                                                                                                                                                                                      |
| OEL chemical category                   | A4 - Not Classifiable as a Human Carcinogen, skin - potential for cutaneous exposure<br>indicative limit value                                                                                                                                                                                                                                                                                                        |
| Romania - Occupational Exposure Limits  |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| OEL TWA                                 | 192 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                         | 50 ppm                                                                                                                                                                                                                                                                                                                                                                                                                |
| OEL STEL                                | 384 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                         | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                               |
| OEL chemical category                   | Skin notation                                                                                                                                                                                                                                                                                                                                                                                                         |
| Romania - Biological limit values       |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BLV                                     | 2 g/l Parameter: Hippuric acid - Medium: urine - Sampling time: end of shift<br>3 mg/l Parameter: o-Cresol - Medium: urine - Sampling time: end of shift                                                                                                                                                                                                                                                              |
| Slovakia - Occupational Exposure Limits |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| NPHV (OEL TWA)                          | 192 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                         | 50 ppm                                                                                                                                                                                                                                                                                                                                                                                                                |
| NPHV (OEL C)                            | 384 mg/m <sup>3</sup> (also biological monitoring considered)                                                                                                                                                                                                                                                                                                                                                         |
| OEL chemical category                   | Potential for cutaneous absorption                                                                                                                                                                                                                                                                                                                                                                                    |
| Slovakia - Biological limit values      |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BLV                                     | 600 µg/l Parameter: Toluene - Medium: blood - Sampling time: end of exposure or work<br>shift<br>1.5 mg/l Parameter: o-Cresol - Medium: urine - Sampling time: after all work shifts (for<br>long-term exposure)<br>1.5 mg/l Parameter: o-Cresol - Medium: urine - Sampling time: end of exposure or work<br>shift<br>2401 mg/g creatinine Parameter: Hippuric acid - Sampling time: end of exposure or work<br>shift |
| Slovenia - Occupational Exposure Limits |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| OEL TWA                                 | 192 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                         | 50 ppm                                                                                                                                                                                                                                                                                                                                                                                                                |
| OEL STEL                                | 384 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                         | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                               |
| OEL chemical category                   | Category 2, Potential for cutaneous absorption                                                                                                                                                                                                                                                                                                                                                                        |
| Spain - Occupational Exposure Limits    |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| VLA-ED (OEL TWA)                        | 192 mg/m <sup>3</sup> (indicative limit value)                                                                                                                                                                                                                                                                                                                                                                        |
|                                         | 50 ppm (indicative limit value)                                                                                                                                                                                                                                                                                                                                                                                       |
| VLA-EC (OEL STEL)                       | 384 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                         | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                               |
| OEL chemical category                   | skin - potential for cutaneous absorption                                                                                                                                                                                                                                                                                                                                                                             |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Toluene (108-88-3)                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Spain - Biological limit values               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BLV                                           | 0.6 mg/l Parameter: o-Cresol - Medium: urine - Sampling time: end of shift<br>0.05 mg/l Parameter: Toluene - Medium: blood - Sampling time: start of last shift of workweek<br>0.08 mg/l Parameter: Toluene - Medium: urine - Sampling time: end of shift                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sweden - Occupational Exposure Limits         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| NGV (OEL TWA)                                 | 192 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                               | 50 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| KGV (OEL STEL)                                | 384 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                               | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| OEL chemical category                         | Skin notation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| United Kingdom - Occupational Exposure Limits |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| WEL TWA (OEL TWA)                             | 191 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                               | 50 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| WEL STEL (OEL STEL)                           | 384 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                               | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| WEL chemical category                         | Potential for cutaneous absorption                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Norway - Occupational Exposure Limits         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Grenseverdi (OEL TWA)                         | 94 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                               | 25 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Korttidsverdi (OEL STEL)                      | 141 mg/m <sup>3</sup> (value calculated)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                               | 37.5 ppm (value calculated)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| OEL chemical category                         | Skin notation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Switzerland - Occupational Exposure Limits    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MAK (OEL TWA)                                 | 190 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                               | 50 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| KZGW (OEL STEL)                               | 760 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                               | 200 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| OEL chemical category                         | Skin notation, Category 2 reproductive toxin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Switzerland - BAT                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BAT                                           | 600 µg/l Parameter: Toluene - Medium: whole blood - Sampling time: end of shift<br>6.48 µmol/l Parameter: Toluene - Medium: whole blood - Sampling time: end of shift<br>2 g/g creatinine Parameter: Hippuric acid - Medium: urine - Sampling time: end of shift, and after several shifts (for long-term exposures)<br>Parameter: Hippuric acid - Medium: urine - Sampling time: end of shift, and after several shifts (for long-term exposures)<br>0.5 mg/l Parameter: o-Cresol - Medium: urine - Sampling time: end of shift, and after several shifts (for long-term exposures)<br>4.62 µmol/l Parameter: o-Cresol - Medium: urine - Sampling time: end of shift, and after several shifts (for long-term exposures)<br>75 µg/l Parameter: Toluol - Medium: urine - Sampling time: end of shift |
| USA - ACGIH - Occupational Exposure Limits    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ACGIH® TLV® TWA                               | 20 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |



# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|                                                           |                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Toluene (108-88-3)</b>                                 |                                                                                                                                                                                                                                                                                                   |
| ACGIH® chemical category                                  | Not Classifiable as a Human Carcinogen                                                                                                                                                                                                                                                            |
| <b>USA - ACGIH - Biological Exposure Indices</b>          |                                                                                                                                                                                                                                                                                                   |
| BEI                                                       | 0.02 mg/l Parameter: Toluene - Medium: blood - Sampling time: prior to last shift of workweek<br>0.03 mg/l Parameter: Toluene - Medium: urine - Sampling time: end of shift<br>0.3 mg/g creatinine Parameter: o-Cresol with hydrolysis - Medium: urine - Sampling time: end of shift (background) |
| <b>Dipropylene glycol monomethyl ether (34590-94-8)</b>   |                                                                                                                                                                                                                                                                                                   |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |                                                                                                                                                                                                                                                                                                   |
| IOEL TWA                                                  | 308 mg/m³                                                                                                                                                                                                                                                                                         |
|                                                           | 50 ppm                                                                                                                                                                                                                                                                                            |
| Remark                                                    | Possibility of significant uptake through the skin                                                                                                                                                                                                                                                |
| <b>Austria - Occupational Exposure Limits</b>             |                                                                                                                                                                                                                                                                                                   |
| MAK (OEL TWA)                                             | 307 mg/m³ (mixed isomers)                                                                                                                                                                                                                                                                         |
|                                                           | 50 ppm (mixed isomers)                                                                                                                                                                                                                                                                            |
| MAK (OEL STEL)                                            | 614 mg/m³ (isomers mixtures)                                                                                                                                                                                                                                                                      |
|                                                           | 100 ppm (isomers mixtures)                                                                                                                                                                                                                                                                        |
| OEL chemical category                                     | Skin notation                                                                                                                                                                                                                                                                                     |
| <b>Belgium - Occupational Exposure Limits</b>             |                                                                                                                                                                                                                                                                                                   |
| OEL TWA                                                   | 308 mg/m³                                                                                                                                                                                                                                                                                         |
|                                                           | 50 ppm                                                                                                                                                                                                                                                                                            |
| OEL chemical category                                     | Skin, Skin notation                                                                                                                                                                                                                                                                               |
| <b>Bulgaria - Occupational Exposure Limits</b>            |                                                                                                                                                                                                                                                                                                   |
| OEL TWA                                                   | 308 mg/m³                                                                                                                                                                                                                                                                                         |
|                                                           | 50 ppm                                                                                                                                                                                                                                                                                            |
| <b>Croatia - Occupational Exposure Limits</b>             |                                                                                                                                                                                                                                                                                                   |
| GVI (OEL TWA)                                             | 308 mg/m³                                                                                                                                                                                                                                                                                         |
|                                                           | 50 ppm                                                                                                                                                                                                                                                                                            |
| OEL chemical category                                     | Skin notation                                                                                                                                                                                                                                                                                     |
| <b>Cyprus - Occupational Exposure Limits</b>              |                                                                                                                                                                                                                                                                                                   |
| OEL TWA                                                   | 308 mg/m³                                                                                                                                                                                                                                                                                         |
|                                                           | 50 ppm                                                                                                                                                                                                                                                                                            |
| OEL chemical category                                     | Skin-potential for cutaneous absorption                                                                                                                                                                                                                                                           |
| <b>Czech Republic - Occupational Exposure Limits</b>      |                                                                                                                                                                                                                                                                                                   |
| PEL (OEL TWA)                                             | 270 mg/m³                                                                                                                                                                                                                                                                                         |
| OEL chemical category                                     | Potential for cutaneous absorption                                                                                                                                                                                                                                                                |
| <b>Denmark - Occupational Exposure Limits</b>             |                                                                                                                                                                                                                                                                                                   |
| OEL TWA                                                   | 309 mg/m³                                                                                                                                                                                                                                                                                         |
|                                                           | 50 ppm                                                                                                                                                                                                                                                                                            |
| OEL STEL                                                  | 618 mg/m³                                                                                                                                                                                                                                                                                         |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Dipropylene glycol monomethyl ether (34590-94-8)  |                                                                     |
|---------------------------------------------------|---------------------------------------------------------------------|
|                                                   | 100 ppm                                                             |
| OEL chemical category                             | Potential for cutaneous absorption                                  |
| Estonia - Occupational Exposure Limits            |                                                                     |
| OEL TWA                                           | 308 mg/m <sup>3</sup>                                               |
|                                                   | 50 ppm                                                              |
| OEL chemical category                             | Skin notation                                                       |
| Finland - Occupational Exposure Limits            |                                                                     |
| HTP (OEL TWA)                                     | 310 mg/m <sup>3</sup>                                               |
|                                                   | 50 ppm                                                              |
| OEL chemical category                             | Potential for cutaneous absorption                                  |
| France - Occupational Exposure Limits             |                                                                     |
| VLEP 8h (OEL TWA)                                 | 308 mg/m <sup>3</sup> (restrictive limit)                           |
|                                                   | 50 ppm (restrictive limit)                                          |
| OEL chemical category                             | Risk of cutaneous absorption                                        |
| Germany - Occupational Exposure Limits (TRGS 900) |                                                                     |
| AGW (OEL TWA)                                     | 310 mg/m <sup>3</sup> (isomer mixture)                              |
|                                                   | 50 ppm (isomer mixture)                                             |
| Gibraltar - Occupational Exposure Limits          |                                                                     |
| OEL TWA                                           | 308 mg/m <sup>3</sup>                                               |
|                                                   | 50 ppm                                                              |
| OEL chemical category                             | Skin notation                                                       |
| Greece - Occupational Exposure Limits             |                                                                     |
| OEL TWA                                           | 600 mg/m <sup>3</sup>                                               |
|                                                   | 100 ppm                                                             |
| OEL STEL                                          | 900 mg/m <sup>3</sup>                                               |
|                                                   | 150 ppm                                                             |
| OEL chemical category                             | skin - potential for cutaneous absorption                           |
| Hungary - Occupational Exposure Limits            |                                                                     |
| AK (OEL TWA)                                      | 308 mg/m <sup>3</sup>                                               |
| Ireland - Occupational Exposure Limits            |                                                                     |
| OEL TWA                                           | 308 mg/m <sup>3</sup> ((2-Methoxymethylethoxy)propanol)             |
|                                                   | 50 ppm ((2-Methoxymethylethoxy)propanol)                            |
| OEL STEL                                          | 924 mg/m <sup>3</sup> (calculated (2-(2-Methoxypropoxy)-1-propanol) |
|                                                   | 150 ppm (calculated (2-(2-Methoxypropoxy)-1-propanol)               |
| OEL chemical category                             | Potential for cutaneous absorption                                  |
| Italy - Occupational Exposure Limits              |                                                                     |
| OEL TWA                                           | 308 mg/m <sup>3</sup>                                               |
|                                                   | 50 ppm                                                              |
| OEL chemical category                             | skin - potential for cutaneous absorption                           |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Dipropylene glycol monomethyl ether (34590-94-8) |                                                                                                                                                                          |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Latvia - Occupational Exposure Limits            |                                                                                                                                                                          |
| OEL TWA                                          | 308 mg/m <sup>3</sup>                                                                                                                                                    |
|                                                  | 50 ppm                                                                                                                                                                   |
| OEL chemical category                            | skin - potential for cutaneous exposure                                                                                                                                  |
| Lithuania - Occupational Exposure Limits         |                                                                                                                                                                          |
| IPRV (OEL TWA)                                   | 300 mg/m <sup>3</sup> (2-(2-Methoxypropoxy)-propanol)                                                                                                                    |
|                                                  | 50 ppm (2-(2-Methoxypropoxy)-propanol)                                                                                                                                   |
| TPRV (OEL STEL)                                  | 450 mg/m <sup>3</sup> (2-(2-Methoxypropoxy)-propanol)                                                                                                                    |
|                                                  | 75 ppm (2-(2-Methoxypropoxy)-propanol)                                                                                                                                   |
| OEL chemical category                            | Skin notation                                                                                                                                                            |
| Luxembourg - Occupational Exposure Limits        |                                                                                                                                                                          |
| OEL TWA                                          | 308 mg/m <sup>3</sup>                                                                                                                                                    |
|                                                  | 50 ppm                                                                                                                                                                   |
| OEL chemical category                            | Possibility of significant uptake through the skin                                                                                                                       |
| Malta - Occupational Exposure Limits             |                                                                                                                                                                          |
| OEL TWA                                          | 308 mg/m <sup>3</sup>                                                                                                                                                    |
|                                                  | 50 ppm                                                                                                                                                                   |
| OEL chemical category                            | Possibility of significant uptake through the skin                                                                                                                       |
| Netherlands - Occupational Exposure Limits       |                                                                                                                                                                          |
| TGG-8u (OEL TWA)                                 | 300 mg/m <sup>3</sup>                                                                                                                                                    |
|                                                  | 48.7 ppm                                                                                                                                                                 |
| Poland - Occupational Exposure Limits            |                                                                                                                                                                          |
| NDS (OEL TWA)                                    | 240 mg/m <sup>3</sup> (mixture of isomers: 1-(2-Methoxy-1-methylethoxy)propan-2-ol, 1-(2-Methoxy-2-methylethoxy)propan-2-ol and 2-(2-Methoxy-1-methylethoxy)propan-1-ol) |
| NDSch (OEL STEL)                                 | 480 mg/m <sup>3</sup> (mixture of isomers: 1-(2-Methoxy-1-methylethoxy)propan-2-ol, 1-(2-Methoxy-2-methylethoxy)propan-2-ol, 2-(2-Methoxy-1-methylethoxy)propan-1-ol)    |
| Portugal - Occupational Exposure Limits          |                                                                                                                                                                          |
| OEL TWA                                          | 308 mg/m <sup>3</sup> (indicative limit value)                                                                                                                           |
|                                                  | 50 ppm (indicative limit value)                                                                                                                                          |
| OEL STEL                                         | 150 ppm                                                                                                                                                                  |
| OEL chemical category                            | skin - potential for cutaneous exposure indicative limit value                                                                                                           |
| Romania - Occupational Exposure Limits           |                                                                                                                                                                          |
| OEL TWA                                          | 308 mg/m <sup>3</sup>                                                                                                                                                    |
|                                                  | 50 ppm                                                                                                                                                                   |
| OEL chemical category                            | Skin notation                                                                                                                                                            |
| Slovakia - Occupational Exposure Limits          |                                                                                                                                                                          |
| NPHV (OEL TWA)                                   | 308 mg/m <sup>3</sup>                                                                                                                                                    |
|                                                  | 50 ppm                                                                                                                                                                   |
| OEL chemical category                            | Potential for cutaneous absorption                                                                                                                                       |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Dipropylene glycol monomethyl ether (34590-94-8) |                                                |
|--------------------------------------------------|------------------------------------------------|
| Slovenia - Occupational Exposure Limits          |                                                |
| OEL TWA                                          | 308 mg/m <sup>3</sup>                          |
|                                                  | 50 ppm                                         |
| OEL STEL                                         | 308 mg/m <sup>3</sup>                          |
|                                                  | 50 ppm                                         |
| OEL chemical category                            | Potential for cutaneous absorption             |
| Spain - Occupational Exposure Limits             |                                                |
| VLA-ED (OEL TWA)                                 | 308 mg/m <sup>3</sup> (indicative limit value) |
|                                                  | 50 ppm (indicative limit value)                |
| OEL chemical category                            | skin - potential for cutaneous absorption      |
| Sweden - Occupational Exposure Limits            |                                                |
| NGV (OEL TWA)                                    | 300 mg/m <sup>3</sup>                          |
|                                                  | 50 ppm                                         |
| KGV (OEL STEL)                                   | 450 mg/m <sup>3</sup>                          |
|                                                  | 75 ppm                                         |
| OEL chemical category                            | Skin notation                                  |
| United Kingdom - Occupational Exposure Limits    |                                                |
| WEL TWA (OEL TWA)                                | 308 mg/m <sup>3</sup>                          |
|                                                  | 50 ppm                                         |
| WEL STEL (OEL STEL)                              | 924 mg/m <sup>3</sup> (calculated)             |
|                                                  | 150 ppm (calculated)                           |
| WEL chemical category                            | Potential for cutaneous absorption             |
| Norway - Occupational Exposure Limits            |                                                |
| Grenseverdi (OEL TWA)                            | 300 mg/m <sup>3</sup>                          |
|                                                  | 50 ppm                                         |
| Korttidsverdi (OEL STEL)                         | 375 mg/m <sup>3</sup> (value calculated)       |
|                                                  | 75 ppm (value calculated)                      |
| OEL chemical category                            | Skin notation                                  |
| Switzerland - Occupational Exposure Limits       |                                                |
| MAK (OEL TWA)                                    | 300 mg/m <sup>3</sup> (aerosol, vapour)        |
|                                                  | 50 ppm (aerosol, vapour)                       |
| KZGW (OEL STEL)                                  | 300 mg/m <sup>3</sup> (aerosol, vapour)        |
|                                                  | 50 ppm (aerosol, vapour)                       |
| USA - ACGIH - Occupational Exposure Limits       |                                                |
| ACGIH® TLV® TWA                                  | 50 ppm (Dipropylene glycol methyl ether)       |
| Ethyl acetoacetate (141-97-9)                    |                                                |
| Romania - Occupational Exposure Limits           |                                                |
| OEL TWA                                          | 100 mg/m <sup>3</sup>                          |
|                                                  | 19 ppm                                         |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Ethyl acetoacetate (141-97-9)

OEL STEL

200 mg/m<sup>3</sup>

38 ppm

### 8.2. Exposure controls

#### Appropriate engineering controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Personal protection equipment

##### Personal protective equipment:

Avoid all unnecessary exposure.

##### Personal protective equipment symbol(s):



#### Eye and face protection

##### Eye protection:

Chemical goggles or safety glasses. Safety glasses

#### Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Wear protective gloves.

#### Respiratory protection

##### Respiratory protection:

Wear appropriate mask

#### Environmental exposure controls

##### Environmental exposure controls:

Avoid release to the environment.

##### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                 |                                              |
|-------------------------------------------------|----------------------------------------------|
| Physical state                                  | : Liquid                                     |
| Colour                                          | : light yellow. amber. Conforms to standard. |
| Odour                                           | : characteristic. characteristic.            |
| Odour threshold                                 | : Not available                              |
| Melting point                                   | : Not applicable                             |
| Freezing point                                  | : Not available                              |
| Boiling point                                   | : Not available                              |
| Flammability                                    | : Combustible liquid, Not applicable         |
| Lower explosion limit                           | : Not available                              |
| Upper explosion limit                           | : Not available                              |
| Flash point                                     | : 81 °C                                      |
| Auto-ignition temperature                       | : Not available                              |
| Decomposition temperature                       | : Not available                              |
| pH                                              | : Not available                              |
| Viscosity, kinematic                            | : Not available                              |
| Solubility                                      | : Not available                              |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                              |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|                                 |                                        |
|---------------------------------|----------------------------------------|
| Vapour pressure                 | : 0.007030774 mm Hg (calculated value) |
| Vapour pressure at 50°C         | : Not available                        |
| Density                         | : Not available                        |
| Relative density                | : ≈ 0.97                               |
| Relative vapour density at 20°C | : Not available                        |
| Particle characteristics        | : Not applicable                       |

### 9.2. Other information

#### Other safety characteristics

VOC content : 13.504722 % (calculated value)(CARB VOC) (%w/w)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Combustible liquid. May form flammable/explosive vapour-air mixture.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Open flame. Overheating. Direct sunlight. Heat. Sparks. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

May release flammable gases. fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

|                             |                         |
|-----------------------------|-------------------------|
| Acute toxicity (oral)       | : Harmful if swallowed. |
| Acute toxicity (dermal)     | : Not classified        |
| Acute toxicity (inhalation) | : Not classified        |

| BUBBLEGUM FR22109                              |                                 |
|------------------------------------------------|---------------------------------|
| ATE CLP (oral)                                 | 1125.716 mg/kg bodyweight       |
| benzyl benzoate (120-51-4)                     |                                 |
| LD50 oral rat                                  | > 2000 mg/kg (Source: ECHA_API) |
| LD50 oral                                      | 1160 mg/kg                      |
| LD50 dermal rabbit                             | 4000 mg/kg (Source: NLM_CIP)    |
| (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) |                                 |
| LD50 oral rat                                  | 4400 mg/kg (Source: CHEMVIEW)   |
| LD50 dermal rabbit                             | > 5 g/kg (Source: CHEMVIEW)     |
| Methyl salicylate (119-36-8)                   |                                 |
| LD50 oral rat                                  | 887 mg/kg (Source: NLM_CIP)     |
| LD50 oral                                      | 890 mg/kg                       |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|                                                         |                                 |
|---------------------------------------------------------|---------------------------------|
| <b>Methyl salicylate (119-36-8)</b>                     |                                 |
| LD50 dermal rabbit                                      | > 5000 mg/kg (Source: NLM_CIP)  |
| <b>Ethyl maltol (4940-11-8)</b>                         |                                 |
| LD50 oral rat                                           | 1150 mg/kg (Source: NLM_CIP)    |
| LD50 oral                                               | 1200 mg/kg                      |
| LD50 dermal rabbit                                      | > 5000 mg/kg (Source: ECHA_API) |
| <b>Clove Leaf Oil (8000-34-8)</b>                       |                                 |
| LD50 oral rat                                           | 1370 mg/kg (Source: NZ_CCID)    |
| LD50 oral                                               | 2650 mg/kg                      |
| LD50 dermal rabbit                                      | 1200 mg/kg (Source: NLM_CIP)    |
| <b>alpha-Methylcinnamic aldehyde (101-39-3)</b>         |                                 |
| LD50 oral rat                                           | 2050 mg/kg (Source: NLM_CIP)    |
| LD50 oral                                               | 2050 mg/kg                      |
| LD50 dermal rabbit                                      | > 5 g/kg (Source: NLM_CIP)      |
| <b>Veratryl aldehyde (Veratraldehyde) (120-14-9)</b>    |                                 |
| LD50 oral rat                                           | 2 g/kg (Source: NLM_CIP)        |
| LD50 oral                                               | 2000 mg/kg                      |
| <b>Toluene (108-88-3)</b>                               |                                 |
| LD50 oral rat                                           | 2600 mg/kg (Source: JAPAN_GHS)  |
| LD50 dermal rabbit                                      | 12000 mg/kg (Source: JAPAN_GHS) |
| LC50 Inhalation - Rat                                   | 12.5 mg/l/4h                    |
| <b>Dipropylene glycol monomethyl ether (34590-94-8)</b> |                                 |
| LD50 oral rat                                           | 5.35 g/kg (Source: NLM_HSDB)    |
| LD50 dermal rabbit                                      | 9500 mg/kg (Source: NLM_CIP)    |
| <b>Allyl caproate (123-68-2)</b>                        |                                 |
| LD50 oral                                               | 218 mg/kg                       |
| LD50 dermal rabbit                                      | 820 mg/kg (Source: ECHA_API)    |
| LD50 dermal                                             | 300 mg/kg                       |
| <b>Linalool (78-70-6)</b>                               |                                 |
| LD50 oral rat                                           | 2790 mg/kg (Source: NLM_CIP)    |
| LD50 oral                                               | 2790 mg/kg                      |
| LD50 dermal rabbit                                      | 5610 mg/kg (Source: ECHA_API)   |
| <b>Oenanthic ether (Ethyl heptanoate) (106-30-9)</b>    |                                 |
| LD50 oral rat                                           | > 34640 mg/kg (Source: NLM_CIP) |
| <b>Aldehyde C-16 (77-83-8)</b>                          |                                 |
| LD50 oral rat                                           | 5470 mg/kg (Source: NLM_CIP)    |
| LD50 dermal rat                                         | > 2000 mg/kg (Source: ECHA_API) |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Estragole (Methyl chavicol) (140-67-0) |                                 |
|----------------------------------------|---------------------------------|
| LD50 oral rat                          | 1230 mg/kg (Source: NLM_CIP)    |
| LD50 oral                              | 1230 mg/kg                      |
| LD50 dermal rabbit                     | > 5000 mg/kg (Source: CHEMVIEW) |

| Ethyl acetoacetate (141-97-9) |                                |
|-------------------------------|--------------------------------|
| LD50 oral rat                 | 3980 mg/kg (Source: NLM_CIP)   |
| LD50 dermal rabbit            | > 5000 mg/kg (Source: NLM_CIP) |

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Skin corrosion/irritation         | : Not classified                       |
| Serious eye damage/irritation     | : Causes serious eye irritation.       |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction. |
| Germ cell mutagenicity            | : Not classified                       |
| Carcinogenicity                   | : Not classified                       |

| (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) |                      |
|------------------------------------------------|----------------------|
| IARC group                                     | 3 - Not classifiable |

| Toluene (108-88-3) |                      |
|--------------------|----------------------|
| IARC group         | 3 - Not classifiable |

|                        |                  |
|------------------------|------------------|
| Reproductive toxicity  | : Not classified |
| STOT-single exposure   | : Not classified |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard      | : Not classified |

| benzyl benzoate (120-51-4) |             |
|----------------------------|-------------|
| Viscosity, kinematic       | 7.456 mm²/s |

| (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) |     |
|------------------------------------------------|-----|
| Hydrocarbon                                    | Yes |

| Toluene (108-88-3) |     |
|--------------------|-----|
| Hydrocarbon        | Yes |

### 11.2. Information on other hazards

#### Other information

|                                                     |                                                                                         |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------|
| Potential adverse human health effects and symptoms | : Harmful if swallowed,Based on available data, the classification criteria are not met |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------|

## SECTION 12: Ecological information

### 12.1. Toxicity

|                                                           |                                                                                |
|-----------------------------------------------------------|--------------------------------------------------------------------------------|
| Ecology - general                                         | : Toxic to aquatic life with long lasting effects. Very toxic to aquatic life. |
| Hazardous to the aquatic environment, short-term (acute)  | : Very toxic to aquatic life.                                                  |
| Hazardous to the aquatic environment, long-term (chronic) | : Toxic to aquatic life with long lasting effects.                             |

| benzyl benzoate (120-51-4) |                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------|
| LC50 - Fish [1]            | 2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA) |
| NOEC (chronic)             | 0.168 mg/l                                                                        |



# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|                                                         |                                                                                                    |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b>   |                                                                                                    |
| LC50 - Fish [1]                                         | 0.619 – 0.796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA) |
| LC50 - Fish [2]                                         | 35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)                           |
| <b>Ethyl maltol (4940-11-8)</b>                         |                                                                                                    |
| LC50 - Fish [1]                                         | > 85 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: ECHA)                        |
| <b>Toluene (108-88-3)</b>                               |                                                                                                    |
| LC50 - Fish [1]                                         | 15.22 – 19.05 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA) |
| LC50 - Fish [2]                                         | 12.6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)                |
| EC50 - Crustacea [1]                                    | 5.46 – 9.83 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])                           |
| EC50 - Crustacea [2]                                    | 11.5 mg/l (Exposure time: 48 h - Species: Daphnia magna)                                           |
| EC50 72h - Algae [1]                                    | 12.5 mg/l (Species: Pseudokirchneriella subcapitata [static])                                      |
| EC50 96h - Algae [1]                                    | > 433 mg/l (Species: Pseudokirchneriella subcapitata)                                              |
| <b>Dipropylene glycol monomethyl ether (34590-94-8)</b> |                                                                                                    |
| LC50 - Fish [1]                                         | > 10000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])                         |
| EC50 - Crustacea [1]                                    | 1919 mg/l (Exposure time: 48 h - Species: Daphnia magna)                                           |
| <b>Allyl caproate (123-68-2)</b>                        |                                                                                                    |
| LC50 - Fish [1]                                         | 0.117 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)                 |
| <b>Linalool (78-70-6)</b>                               |                                                                                                    |
| LC50 - Fish [1]                                         | 27.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: ECHA)               |
| EC50 - Crustacea [1]                                    | 20 mg/l (Exposure time: 48 h - Species: Daphnia magna)                                             |
| EC50 96h - Algae [1]                                    | 88.3 mg/l (Species: Desmodesmus subspicatus)                                                       |
| <b>Aldehyde C-16 (77-83-8)</b>                          |                                                                                                    |
| LC50 - Fish [1]                                         | 4.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static] Source: ECHA)           |
| <b>Ethyl acetoacetate (141-97-9)</b>                    |                                                                                                    |
| LC50 - Fish [1]                                         | 298 mg/l (Exposure time: 96 h - Species: Pimephales promelas Source: IUCLID)                       |
| LC50 - Fish [2]                                         | 290 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: IUCLID)                       |
| EC50 - Crustacea [1]                                    | 646 mg/l (Exposure time: 48 h - Species: Daphnia magna)                                            |
| EC50 72h - Algae [1]                                    | > 500 mg/l (Species: Desmodesmus subspicatus)                                                      |
| <b>12.2. Persistence and degradability</b>              |                                                                                                    |
| <b>BUBBLEGUM FR22109</b>                                |                                                                                                    |
| Persistence and degradability                           | Not established.                                                                                   |
| <b>benzyl benzoate (120-51-4)</b>                       |                                                                                                    |
| Persistence and degradability                           | May cause long-term adverse effects in the environment.                                            |
| <b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b>   |                                                                                                    |
| Persistence and degradability                           | Rapidly degradable                                                                                 |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|                                                         |                            |
|---------------------------------------------------------|----------------------------|
| <b>Methyl salicylate (119-36-8)</b>                     |                            |
| Persistence and degradability                           | Rapidly degradable         |
| <b>Ethyl maltol (4940-11-8)</b>                         |                            |
| Persistence and degradability                           | Rapidly degradable         |
| <b>Clove Leaf Oil (8000-34-8)</b>                       |                            |
| Persistence and degradability                           | Rapidly degradable         |
| <b>isopentyl acetate (123-92-2)</b>                     |                            |
| Persistence and degradability                           | Rapidly degradable         |
| <b>alpha-Methylcinnamic aldehyde (101-39-3)</b>         |                            |
| Persistence and degradability                           | Rapidly degradable         |
| <b>Veratryl aldehyde (Veratraldehyde) (120-14-9)</b>    |                            |
| Persistence and degradability                           | Rapidly degradable         |
| <b>Toluene (108-88-3)</b>                               |                            |
| Persistence and degradability                           | Rapidly degradable         |
| <b>Dipropylene glycol monomethyl ether (34590-94-8)</b> |                            |
| Persistence and degradability                           | Rapidly degradable         |
| <b>Allyl caproate (123-68-2)</b>                        |                            |
| Persistence and degradability                           | Rapidly degradable         |
| <b>Linalool (78-70-6)</b>                               |                            |
| Persistence and degradability                           | Rapidly degradable         |
| <b>Oenanthic ether (Ethyl heptanoate) (106-30-9)</b>    |                            |
| Persistence and degradability                           | Rapidly degradable         |
| <b>Aldehyde C-16 (77-83-8)</b>                          |                            |
| Persistence and degradability                           | Rapidly degradable         |
| <b>Estragole (Methyl chavicol) (140-67-0)</b>           |                            |
| Persistence and degradability                           | Not established.           |
| <b>Ethyl acetoacetate (141-97-9)</b>                    |                            |
| Persistence and degradability                           | Rapidly degradable         |
| <b>12.3. Bioaccumulative potential</b>                  |                            |
| <b>BUBBLEGUM FR22109</b>                                |                            |
| Bioaccumulative potential                               | Not established.           |
| <b>benzyl benzoate (120-51-4)</b>                       |                            |
| Partition coefficient n-octanol/water (Log Pow)         | 3.97 (at 25 °C)            |
| Bioaccumulative potential                               | Not established.           |
| <b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b>   |                            |
| Partition coefficient n-octanol/water (Log Pow)         | 4.38 (at 37 °C (at pH 7.2) |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|                                                         |                                   |
|---------------------------------------------------------|-----------------------------------|
| <b>Methyl salicylate (119-36-8)</b>                     |                                   |
| Partition coefficient n-octanol/water (Log Pow)         | 2.55                              |
| <b>Ethyl maltol (4940-11-8)</b>                         |                                   |
| Partition coefficient n-octanol/water (Log Pow)         | 2.9 (at 25 °C)                    |
| <b>isopentyl acetate (123-92-2)</b>                     |                                   |
| Partition coefficient n-octanol/water (Log Pow)         | 2.7 (at 35 °C)                    |
| <b>Veratryl aldehyde (Veratraldehyde) (120-14-9)</b>    |                                   |
| Partition coefficient n-octanol/water (Log Pow)         | 0.8 (at 25 °C)                    |
| <b>Toluene (108-88-3)</b>                               |                                   |
| Partition coefficient n-octanol/water (Log Pow)         | 2.73 (at 20 °C (at pH 7)          |
| <b>Dipropylene glycol monomethyl ether (34590-94-8)</b> |                                   |
| Partition coefficient n-octanol/water (Log Pow)         | 0.35 (at 25 °C (at pH 7)          |
| <b>Allyl caproate (123-68-2)</b>                        |                                   |
| Partition coefficient n-octanol/water (Log Pow)         | 3.191 (at 20 °C (at pH 5)         |
| <b>Linalool (78-70-6)</b>                               |                                   |
| Partition coefficient n-octanol/water (Log Pow)         | 2.9 (at 20 °C (at pH 7)           |
| <b>Oenanthic ether (Ethyl heptanoate) (106-30-9)</b>    |                                   |
| Partition coefficient n-octanol/water (Log Pow)         | 3.98 (at 35 °C (at pH 7)          |
| <b>Aldehyde C-16 (77-83-8)</b>                          |                                   |
| Partition coefficient n-octanol/water (Log Pow)         | 2.4 (at 25 °C (cis isomer)        |
| <b>Estragole (Methyl chavicol) (140-67-0)</b>           |                                   |
| Partition coefficient n-octanol/water (Log Pow)         | 3.4 (at 35 °C (at pH 7)           |
| Bioaccumulative potential                               | Not established.                  |
| <b>Ethyl acetoacetate (141-97-9)</b>                    |                                   |
| Partition coefficient n-octanol/water (Log Pow)         | 0.8 (at 20 °C)                    |
| <b>12.4. Mobility in soil</b>                           |                                   |
| No additional information available                     |                                   |
| <b>12.5. Results of PBT and vPvB assessment</b>         |                                   |
| No additional information available                     |                                   |
| <b>12.6. Endocrine disrupting properties</b>            |                                   |
| No additional information available                     |                                   |
| <b>12.7. Other adverse effects</b>                      |                                   |
| <b>BUBBLEGUM FR22109</b>                                |                                   |
| Other information                                       | Avoid release to the environment. |
| <b>benzyl benzoate (120-51-4)</b>                       |                                   |
| Other information                                       | Avoid release to the environment. |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Estragole (Methyl chavicol) (140-67-0)

Other information

Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                            |                                                                                                                                                                                                                                                                      |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions.                                                                                                                                                                        |
| Product/Packaging disposal recommendations | : Dispose of contents/container in accordance with local/national laws and regulations.<br>Dispose in a safe manner in accordance with local/national regulations.                                                                                                   |
| Additional information                     | : Handle empty containers with care because residual vapours are flammable.                                                                                                                                                                                          |
| Ecological waste information               | : Avoid release to the environment.                                                                                                                                                                                                                                  |
| HP Code                                    | : HP6 - "Acute Toxicity:" waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure.<br>HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment |

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR                                                                                        | IMDG                                                                                                          | IATA                                                                                  | ADN                                                                                   | RID                                                                                   |
|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>14.1. UN number or ID number</b>                                                        |                                                                                                               |                                                                                       |                                                                                       |                                                                                       |
| UN 3082                                                                                    | UN 3082                                                                                                       | UN 3082                                                                               | UN 3082                                                                               | UN 3082                                                                               |
| <b>14.2. UN proper shipping name</b>                                                       |                                                                                                               |                                                                                       |                                                                                       |                                                                                       |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate)                      | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate)                                         | Environmentally hazardous substance, liquid, n.o.s. (Benzyl Benzoate)                 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate)                 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate)                 |
| <b>Transport document description</b>                                                      |                                                                                                               |                                                                                       |                                                                                       |                                                                                       |
| UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate), 9, III, (-) | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate), 9, III, MARINE POLLUTANT       | UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Benzyl Benzoate), 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate), 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate), 9, III |
| <b>14.3. Transport hazard class(es)</b>                                                    |                                                                                                               |                                                                                       |                                                                                       |                                                                                       |
| 9                                                                                          | 9                                                                                                             | 9                                                                                     | 9                                                                                     | 9                                                                                     |
|         |                            |    |   |  |
| <b>14.4. Packing group</b>                                                                 |                                                                                                               |                                                                                       |                                                                                       |                                                                                       |
| III                                                                                        | III                                                                                                           | III                                                                                   | III                                                                                   | III                                                                                   |
| <b>14.5. Environmental hazards</b>                                                         |                                                                                                               |                                                                                       |                                                                                       |                                                                                       |
| Dangerous for the environment: Yes                                                         | Dangerous for the environment: Yes<br>Marine pollutant: Yes<br>EmS-No. (Fire): F-A<br>EmS-No. (Spillage): S-F | Dangerous for the environment: Yes                                                    | Dangerous for the environment: Yes                                                    | Dangerous for the environment: Yes                                                    |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| ADR                                    | IMDG | IATA | ADN | RID |
|----------------------------------------|------|------|-----|-----|
| No supplementary information available |      |      |     |     |

### 14.6. Special precautions for user

#### Overland transport

|                                                                         |                           |
|-------------------------------------------------------------------------|---------------------------|
| Classification code (ADR)                                               | : M6                      |
| Special provisions (ADR)                                                | : 274, 335, 375, 601, 650 |
| Limited quantities (ADR)                                                | : 5I                      |
| Excepted quantities (ADR)                                               | : E1                      |
| Packing instructions (ADR)                                              | : P001, IBC03, LP01, R001 |
| Special packing provisions (ADR)                                        | : PP1                     |
| Mixed packing provisions (ADR)                                          | : MP19                    |
| Portable tank and bulk container instructions (ADR)                     | : T4                      |
| Portable tank and bulk container special provisions (ADR)               | : TP1, TP29               |
| Tank code (ADR)                                                         | : LGBV                    |
| Vehicle for tank carriage                                               | : AT                      |
| Transport category (ADR)                                                | : 3                       |
| Special provisions for carriage - Packages (ADR)                        | : V12                     |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV13                    |
| Hazard identification number (Kemler No.)                               | : 90                      |
| Orange plates                                                           | :                         |



|                               |       |
|-------------------------------|-------|
| Tunnel restriction code (ADR) | : -   |
| EAC code                      | : •3Z |

#### Transport by sea

|                                   |                 |
|-----------------------------------|-----------------|
| Special provisions (IMDG)         | : 274, 335, 969 |
| Limited quantities (IMDG)         | : 5 L           |
| Excepted quantities (IMDG)        | : E1            |
| Packing instructions (IMDG)       | : LP01, P001    |
| Special packing provisions (IMDG) | : PP1           |
| IBC packing instructions (IMDG)   | : IBC03         |
| Tank instructions (IMDG)          | : T4            |
| Tank special provisions (IMDG)    | : TP1, TP29     |
| Stowage category (IMDG)           | : A             |

#### Air transport

|                                              |                         |
|----------------------------------------------|-------------------------|
| PCA Excepted quantities (IATA)               | : E1                    |
| PCA Limited quantities (IATA)                | : Y964                  |
| PCA limited quantity max net quantity (IATA) | : 30kgG                 |
| PCA packing instructions (IATA)              | : 964                   |
| PCA max net quantity (IATA)                  | : 450L                  |
| CAO packing instructions (IATA)              | : 964                   |
| CAO max net quantity (IATA)                  | : 450L                  |
| Special provisions (IATA)                    | : A97, A158, A197, A215 |
| ERG code (IATA)                              | : 9L                    |

#### Inland waterway transport

|                                   |                      |
|-----------------------------------|----------------------|
| Classification code (ADN)         | : M6                 |
| Special provisions (ADN)          | : 274, 335, 375, 601 |
| Limited quantities (ADN)          | : 5 L                |
| Excepted quantities (ADN)         | : E1                 |
| Carriage permitted (ADN)          | : T                  |
| Equipment required (ADN)          | : PP                 |
| Number of blue cones/lights (ADN) | : 0                  |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Rail transport

|                                                                         |                           |
|-------------------------------------------------------------------------|---------------------------|
| Classification code (RID)                                               | : M6                      |
| Special provisions (RID)                                                | : 274, 335, 375, 601, 650 |
| Limited quantities (RID)                                                | : 5L                      |
| Excepted quantities (RID)                                               | : E1                      |
| Packing instructions (RID)                                              | : P001, IBC03, LP01, R001 |
| Special packing provisions (RID)                                        | : PP1                     |
| Mixed packing provisions (RID)                                          | : MP19                    |
| Portable tank and bulk container instructions (RID)                     | : T4                      |
| Portable tank and bulk container special provisions (RID)               | : TP1, TP29               |
| Tank codes for RID tanks (RID)                                          | : LGBV                    |
| Transport category (RID)                                                | : 3                       |
| Special provisions for carriage – Packages (RID)                        | : W12                     |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW13, CW31              |
| Colis express (express parcels) (RID)                                   | : CE8                     |
| Hazard identification number (RID)                                      | : 90                      |

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU-Regulations

#### REACH Annex XVII (Restriction List)

| EU restriction list (REACH Annex XVII) |                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reference code                         | Applicable on                                                                                                                                                                                               | Entry title or description                                                                                                                                                                                                                                                                                        |
| 3(a)                                   | d-Limonene ; Isoamyl acetate ; Toluene ; Oenanthic ether (Ethyl heptanoate)                                                                                                                                 | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F          |
| 3(b)                                   | BUBBLEGUM #EU31673F ; Benzyl benzoate ; d-Limonene ; Methyl salicylate ; Clove Leaf Oil ; alpha-Methylcinnamic aldehyde ; Toluene ; Allyl caproate ; Linalool ; Aldehyde C-16 ; Estragole (Methyl chavicol) | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |
| 3(c)                                   | BUBBLEGUM FR22109 ; Benzyl benzoate ; d-Limonene ; Methyl salicylate ; alpha-Methylcinnamic aldehyde ; Allyl caproate ; Oenanthic ether (Ethyl heptanoate) ; Aldehyde C-16                                  | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1                                                                                                                                         |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| EU restriction list (REACH Annex XVII) |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reference code                         | Applicable on                                                               | Entry title or description                                                                                                                                                                                                                                                                                                                                                                         |
| 40.                                    | d-Limonene ; Isoamyl acetate ; Toluene ; Oenanthic ether (Ethyl heptanoate) | Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not. |
| 48.                                    | Toluene                                                                     | Toluene                                                                                                                                                                                                                                                                                                                                                                                            |

### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

### Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

### VOC Directive (2004/42)

VOC content : 13.504722 % (calculated value)(CARB VOC) (%w/w)

### Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (EC 273/2004)

Contains substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

| Name    | CN designation | CAS-No.  | CN code    | Category, Subcategory | Threshold | Annex   |
|---------|----------------|----------|------------|-----------------------|-----------|---------|
| Toluene |                | 108-88-3 | 2902 30 00 | Category 3            |           | Annex I |

### National regulations

#### France

| Occupational diseases |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Code                  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RG 4 BIS              | Gastrointestinal disorders caused by benzene, toluene, xylenes and all products containing them                                                                                                                                                                                                                                                                                                                                                                                           |
| RG 84                 | Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide |

#### Germany

VOC ordinance (ChemVOCFarbV) : VOC content : 13.504722 % (calculated value)(CARB VOC) (%w/w)

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).  
Major Accidents Ordinance (12. BImSchV) : Is not subject to the Major Accidents Ordinance (12. BImSchV)

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Netherlands

|                                                    |                                                                                                         |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| ABM category                                       | : A(1) - highly toxic for aquatic organisms, may have longterm hazardous effects in aquatic environment |
| SZW-lijst van kankerverwekkende stoffen            | : None of the components are listed                                                                     |
| SZW-lijst van mutagene stoffen                     | : None of the components are listed                                                                     |
| SZW-lijst van reprotoxische stoffen – Borstvoeding | : None of the components are listed                                                                     |
| SZW-lijst van reprotoxische stoffen –              | : None of the components are listed                                                                     |
| Vruchtbaarheid                                     |                                                                                                         |
| SZW-lijst van reprotoxische stoffen – Ontwikkeling | : Methyl salicylate, Toluene are listed                                                                 |

### Denmark

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Class for fire hazard       | : Class III-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Store unit                  | : 50 liter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Classification remarks      | : Flammable according to the Danish Ministry of Justice; Emergency management guidelines for the storage of flammable liquids must be followed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Danish National Regulations | : Young people below the age of 18 years are not allowed to use the product<br>Pregnant/breastfeeding women working with the product must not be in direct contact with it.<br>If an employee is pregnant or breastfeeding and the person in question uses or is exposed to this product at work, the employer must always carry out a risk assessment of the work. The assessment must both deal with the dangerousness of the impact and its strength and duration. The employer's decision that a pregnant or lactating woman can perform a specific work task must therefore be made in the context of her specific working conditions. See also WEA-Guideline A.1.8-7 on the working environment of pregnant and breastfeeding workers. |

### Poland

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Polish National Regulations | : Act of 25 February 2011 on chemical substances and their mixtures (J. o L. No. 63, item 322 as amended; consolidated text J. o L. 2019, item 1225).<br>Act of 14 December 2012 on waste (J. o L. 2013, item 322 as amended; consolidated text J. o L. 2020, item 797).<br>The announcement of Marshal of the Sejm of the Republic of Poland dated 19 October 2016 concerning the consolidated text announcement of the decree on the management of packaging and packaging waste (J. o L. 2016, item 1863 as amended).<br>Decree of the Minister of Environment of 14 December 2014 on the catalogue of waste (J. o L. 2014, item 1923).<br>Act of 19 August 2011 on the Carriage of Dangerous Goods (J. o L. 2011 No. 227, item 1367 as amended; consolidated text J. o L. 2020, item 154).<br>Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the highest permissible concentration and intensity of noxious agents for health at work environment (J. o L. item 1286 as amended).<br>The announcement of Minister of Health dated 9 September 2016 concerning the consolidated text announcement of the decree of the Minister of Health of 30 December 2004 on health and safety at work related to exposure to chemical agents at work (J. o L. of 16 September 2016, item 1488)<br>Regulation of the Minister of Health of 2 February 2011 on tests and measurements of the noxious agents for health at work environment (J. o L. No. 33, item 166 as amended).<br>Regulation of the Minister of Environment of 9 December 2003 on particularly hazardous substances to the environment (J. o L. No. 217, item 2141).<br>ADR Agreement: Government Statement of 13 March 2023 on the entry into force of amendments to Annexes A and B to the Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), signed in Geneva on 30 September 1957 (J. o. L. 2023, item 891)<br>Regulation of the Minister of Health of 25 August 2015 on the method of marking places, pipelines, and containers and tanks used for storing or containing hazardous substances or hazardous mixtures (J.o.L. 2015, item 1368 as amended) |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out



# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 16: Other information

#### Abbreviations and acronyms:

|         |                                                                                                   |
|---------|---------------------------------------------------------------------------------------------------|
| ADN     | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways   |
| ADR     | European Agreement concerning the International Carriage of Dangerous Goods by Road               |
| ATE     | Acute Toxicity Estimate                                                                           |
| BLV     | Biological limit value                                                                            |
| CAS-No. | Chemical Abstracts Service number                                                                 |
| CLP     | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                       |
| DMEL    | Derived Minimal Effect level                                                                      |
| DNEL    | Derived-No Effect Level                                                                           |
| EC50    | Median effective concentration                                                                    |
| EC-No.  | European Community number                                                                         |
| EN      | European Standard                                                                                 |
| IATA    | International Air Transport Association                                                           |
| IMDG    | International Maritime Dangerous Goods                                                            |
| LC50    | Median lethal concentration                                                                       |
| LD50    | Median lethal dose                                                                                |
| LOAEL   | Lowest Observed Adverse Effect Level                                                              |
| NOAEC   | No-Observed Adverse Effect Concentration                                                          |
| NOAEL   | No-Observed Adverse Effect Level                                                                  |
| NOEC    | No-Observed Effect Concentration                                                                  |
| OEL     | Occupational Exposure Limit                                                                       |
| PBT     | Persistent Bioaccumulative Toxic                                                                  |
| PNEC    | Predicted No-Effect Concentration                                                                 |
| REACH   | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID     | Regulations concerning the International Carriage of Dangerous Goods by Rail                      |
| SDS     | Safety Data Sheet                                                                                 |
| vPvB    | Very Persistent and Very Bioaccumulative                                                          |
| WGK     | Water Hazard Class                                                                                |

Other information : None.

#### Full text of H- and EUH-statements:

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Acute Tox. 3 (Dermal)     | Acute toxicity (dermal), Category 3                               |
| Acute Tox. 3 (Inhalation) | Acute toxicity (inhal.), Category 3                               |
| Acute Tox. 3 (Oral)       | Acute toxicity (oral), Category 3                                 |
| Acute Tox. 4 (Oral)       | Acute toxicity (oral), Category 4                                 |
| Aquatic Acute 1           | Hazardous to the aquatic environment – Acute Hazard, Category 1   |
| Aquatic Chronic 1         | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| Aquatic Chronic 2         | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |

# BUBBLEGUM FR22109

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Full text of H- and EUH-statements: |                                                                   |
|-------------------------------------|-------------------------------------------------------------------|
| Aquatic Chronic 3                   | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Asp. Tox. 1                         | Aspiration hazard, Category 1                                     |
| Carc. 2                             | Carcinogenicity, Category 2                                       |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1                     |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                     |
| Flam. Liq. 3                        | Flammable liquids, Category 3                                     |
| Muta. 2                             | Germ cell mutagenicity, Category 2                                |
| Repr. 2                             | Reproductive toxicity, Category 2                                 |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                             |
| Skin Sens. 1                        | Skin sensitisation, Category 1                                    |
| Skin Sens. 1B                       | Skin sensitisation, category 1B                                   |
| H226                                | Flammable liquid and vapour.                                      |
| H301                                | Toxic if swallowed.                                               |
| H302                                | Harmful if swallowed.                                             |
| H304                                | May be fatal if swallowed and enters airways.                     |
| H311                                | Toxic in contact with skin.                                       |
| H315                                | Causes skin irritation.                                           |
| H317                                | May cause an allergic skin reaction.                              |
| H318                                | Causes serious eye damage.                                        |
| H319                                | Causes serious eye irritation.                                    |
| H331                                | Toxic if inhaled.                                                 |
| H341                                | Suspected of causing genetic defects.                             |
| H351                                | Suspected of causing cancer.                                      |
| H361d                               | Suspected of damaging the unborn child.                           |
| H400                                | Very toxic to aquatic life.                                       |
| H410                                | Very toxic to aquatic life with long lasting effects.             |
| H411                                | Toxic to aquatic life with long lasting effects.                  |
| H412                                | Harmful to aquatic life with long lasting effects.                |

The classification complies with : ATP 12

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.