



TOMATO LEAF FR46753

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 11/6/2023 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : TOMATO LEAF FR46753
Product code : FR46753
Market number :

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Perfumes, fragrances
Recommended use : Perfumes, fragrances

1.3. Supplier

Hyggeland Company
Stasova 184, 7 - Krasnodar - Russian Federation
Phone.: +7 (953) 073-39-63
info@hyggeland.ru

1.4. Emergency telephone number

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

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture


GHS-US classification

| | | |
|-----------------------------------|------|--|
| Acute toxicity (oral), Category 4 | H302 | Harmful if swallowed. |
| Skin sensitisation, Category 1 | H317 | May cause an allergic skin reaction. |
| Reproductive toxicity, Category 2 | H361 | Suspected of damaging fertility or the unborn child. |

Full text of H-statements: see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US) : 

Signal word (GHS US) : Warning

Hazard statements (GHS US) : H302 - Harmful if swallowed.
H317 - May cause an allergic skin reaction.
H361 - Suspected of damaging fertility or the unborn child.

Precautionary statements (GHS US) : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash hands thoroughly after handling
P270 - Do not eat, drink or smoke when using this product.
P272 - Contaminated work clothing must not be allowed out of the workplace.

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2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | GHS-US classification |
|--|--------------------|--------------|--|
| benzyl benzoate | CAS-No.: 120-51-4 | 44.4 – 88.87 | Acute Tox. 4 (Oral), H302 |
| Citrus medica limonum (Lemon) peel oil | CAS-No.: 8008-56-8 | 0.8 – 1.5 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Repr. 2, H361 Asp. Tox. 1, H304 Aquatic Chronic 1, H410 |
| Eugenol | CAS-No.: 97-53-0 | 0.6 – 1.25 | Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Skin Sens. 1B, H317 |
| Orange oil | CAS-No.: 8008-57-9 | 0.3 – 0.5 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 |
| Eucalyptus oil | CAS-No.: 8000-48-4 | 0.2 – 0.4 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 |

Full text of hazard classes and H-statements : see section 16

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 you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after inhalation | : Allow affected person to breathe fresh air. Allow the victim to rest. |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see Get medical advice/attention. on this label). If skin irritation 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. |
| First-aid measures after ingestion | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. |

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4.2. Most important symptoms and effects (acute and delayed)

| | |
|---|--|
| Potential adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. |
| Symptoms/effects | : 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 ingestion | : Swallowing a small quantity of this material will result in serious health hazard. |

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

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

5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

| | |
|--------------------------------|---|
| 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. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

| | |
|----------------------|-----------------------------------|
| Emergency procedures | : Evacuate unnecessary personnel. |
|----------------------|-----------------------------------|

6.1.2. For emergency responders

| | |
|----------------------|--|
| Protective equipment | : Equip cleanup crew with proper protection. |
| Emergency procedures | : Ventilate area. |

6.2. Environmental precautions

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

| | |
|-------------------------|--|
| Methods for cleaning up | : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. |
|-------------------------|--|

6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

7.2. Conditions for safe storage, including any incompatibilities

| | |
|----------------------------|--|
| Storage conditions | : 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. |
| Incompatible products | : Strong bases. Strong acids. |
| Incompatible materials | : 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. |

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available

benzyl benzoate (120-51-4)

No additional information available

Citrus medica limonum (Lemon) peel oil (8008-56-8)

No additional information available

Eugenol (97-53-0)

No additional information available

Orange oil (8008-57-9)

No additional information available

Eucalyptus oil (8000-48-4)

No additional information available

8.2. Appropriate engineering controls

No additional information available

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves.

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Eye protection:

Chemical goggles or safety glasses

Respiratory protection:

Wear appropriate mask

Personal protective equipment symbol(s):



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 |
| Odour | : Green |
| Odour threshold | : No data available |
| pH | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : > 93.3 °C |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Flammability | : Non flammable. Not applicable. |
| Vapour pressure | : No data available |
| Relative vapour density at 20°C | : No data available |
| Relative density | : No data available |
| Solubility | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive limits | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

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10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

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| | |
|---------------|--------------------------|
| ATE US (oral) | 558.018 mg/kg bodyweight |
|---------------|--------------------------|

benzyl benzoate (120-51-4)

| | |
|--------------------|------------------------------|
| LD50 oral rat | 500 mg/kg (Source: NLM_CIP) |
| LD50 dermal rabbit | 4000 mg/kg (Source: NLM_CIP) |
| ATE US (oral) | 500 mg/kg bodyweight |
| ATE US (dermal) | 4000 mg/kg bodyweight |

Citrus medica limonum (Lemon) peel oil (8008-56-8)

| | |
|---------------|------------------------------|
| LD50 oral rat | 2840 mg/kg (Source: NLM_CIP) |
| ATE US (oral) | 2840 mg/kg bodyweight |

Eugenol (97-53-0)

| | |
|---------------|------------------------------|
| LD50 oral rat | 1930 mg/kg (Source: NZ_CCID) |
| ATE US (oral) | 1930 mg/kg bodyweight |

Orange oil (8008-57-9)

| | |
|--------------------|---------------------------------|
| LD50 oral rat | 4400 mg/kg (Source: NZ_CCID) |
| LD50 dermal rabbit | > 5000 mg/kg (Source: CHEMVIEW) |
| ATE US (oral) | 4400 mg/kg bodyweight |

Eucalyptus oil (8000-48-4)

| | |
|---------------|------------------------------|
| LD50 oral rat | 2480 mg/kg (Source: NLM_CIP) |
| ATE US (oral) | 2480 mg/kg bodyweight |

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

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Carcinogenicity : Not classified

| Eugenol (97-53-0) | |
|---|--|
| IARC group | 3 - Not classifiable |
| Reproductive toxicity | : Suspected of damaging fertility or the unborn child. |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |
| Viscosity, kinematic | : No data available |
| Potential adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. |
| Symptoms/effects | : 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 ingestion | : Swallowing a small quantity of this material will result in serious health hazard. |

SECTION 12: Ecological information

12.1. Toxicity

| 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 |
| Eugenol (97-53-0) | |
| LC50 - Fish [1] | 13 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA) |

12.2. Persistence and degradability

| TOMATO LEAF FR46753 | |
|-----------------------------------|---|
| Persistence and degradability | Not established. |
| benzyl benzoate (120-51-4) | |
| Persistence and degradability | May cause long-term adverse effects in the environment. |
| Eucalyptus oil (8000-48-4) | |
| Persistence and degradability | Not established. |

12.3. Bioaccumulative potential

| TOMATO LEAF FR46753 | |
|---|----------------------------|
| Bioaccumulative potential | Not established. |
| benzyl benzoate (120-51-4) | |
| Partition coefficient n-octanol/water (Log Pow) | 3.97 (at 25 °C) |
| Bioaccumulative potential | Not established. |
| Eugenol (97-53-0) | |
| Partition coefficient n-octanol/water (Log Pow) | 1.83 (at 30 °C (at pH 5.5) |
| Eucalyptus oil (8000-48-4) | |
| Bioaccumulative potential | Not established. |

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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not applicable

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : Not applicable

14.4. Packing group

Packing group (DOT) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

CANADA

benzyl benzoate (120-51-4)

Listed on the Canadian DSL (Domestic Substances List)

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Citrus medica limonum (Lemon) peel oil (8008-56-8)

Listed on the Canadian DSL (Domestic Substances List)

Eugenol (97-53-0)

Listed on the Canadian DSL (Domestic Substances List)

Orange oil (8008-57-9)

Listed on the Canadian DSL (Domestic Substances List)

Eucalyptus oil (8000-48-4)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

benzyl benzoate (120-51-4)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Eugenol (97-53-0)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

benzyl benzoate (120-51-4)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Japanese Pollutant Release and Transfer Register Law (PRTR Law)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

Citrus medica limonum (Lemon) peel oil (8008-56-8)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)
Listed on Thailand Existing Chemicals Inventory (DIW)

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Eugenol (97-53-0)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)
Listed on Thailand Existing Chemicals Inventory (DIW)

Orange oil (8008-57-9)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)
Listed on Thailand Existing Chemicals Inventory (DIW)

Eucalyptus oil (8000-48-4)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)
Listed on Thailand Existing Chemicals Inventory (DIW)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

| Component | State or local regulations |
|----------------------------|---|
| Alcohol C-10(112-30-1) | U.S. - Pennsylvania - RTK (Right to Know) List |
| Diethyl malonate(105-53-3) | U.S. - New Jersey - Right to Know Hazardous Substance List |
| Aldehyde C-6(66-25-1) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List |
| Caproic acid(142-62-1) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List |

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| Component | State or local regulations |
|------------------------|--|
| butyric acid(107-92-6) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List |

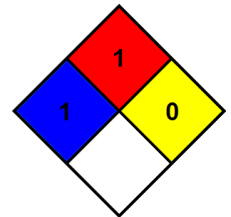
SECTION 16: Other information

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Other information : None.

| Full text of H-statements | |
|---------------------------|---|
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H361 | Suspected of damaging fertility or the unborn child. |
| H410 | Very toxic to aquatic life with long lasting effects. |

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.
NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.
NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



This SDS is current to the date listed above. However, the GHS classifications may change due to hazard communication updates by the overseeing governing body.