

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 6/5/2024 Version: 1.0

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

1.1. Product identifier

Product form : Mixture

Product name : SPICED BOURBON FR26768

Product code : FR26768

Type of product : Perfumes, fragrances
Product group : Trade product

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

1.2.1. Relevant identified uses

Main use category : Professional use, Industrial use

Industrial/Professional use spec : Industrial

For professional use only
Use of the substance/mixture : Perfumes, fragrances
Function or use category : Odour agents

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Hyggeland Company Russian Federation

Krasnodar

Stasova st. 184, 7

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: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2 H315
Skin sensitisation, Category 1 H317
Hazardous to the aquatic environment – Chronic Hazard, H411

Category 2

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

Adverse physicochemical, human health and environmental effects

Causes skin irritation. Toxic to aquatic life with long lasting effects. May cause an allergic skin reaction.

2.2. Label elements

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

Hazard pictograms (CLP)





GHS07

GHS09

Signal word (CLP) : Warning

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Contains : Orange oil ; benzyl alcohol; Vertenex; Vertofix; Cinnamic aldehyde; Patchouli oil; Linalyl

acetate; Clove Leaf Oil; Linalool; Lavandin abrialis oil; Triplal (Vertocitral); 3(2H)-Furanone,

4-hydroxy-2,5-dimethyl-

Hazard statements (CLP) : H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 - Wash hands, forearms and face thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing

protection.

P302+P352 - IF ON SKIN: Wash with plenty of water.

Extra phrases : For professional users only.

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 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 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Orange oil	CAS-No.: 8008-57-9 EC-No.: 232-433-8 REACH-no: 01-2119493353- 35	3.6 – 7.25	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
benzyl alcohol substance with national workplace exposure limit(s) (BG, CZ, DE, FI, LT, LV, PL, SI, CH)	CAS-No.: 100-51-6 EC-No.: 202-859-9 EC Index-No.: 603-057-00-5 REACH-no: 01-2119492630-	2.6 – 5.24	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Vertenex	CAS-No.: 32210-23-4 EC-No.: 250-954-9 REACH-no: 01-2119976286- 24	2.5 – 5	Skin Sens. 1B, H317
Cedarwood oil, Texas	CAS-No.: 68990-83-0 EC-No.: 294-461-7	1 – 2	Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Vanillin	CAS-No.: 121-33-5 EC-No.: 204-465-2 REACH-no: 01-2119516040- 60	1-2	Eye Irrit. 2, H319

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Vertofix	CAS-No.: 32388-55-9 EC-No.: 251-020-3 REACH-no: 01-2119969651- 28	0.5 – 1	Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Cinnamic aldehyde	CAS-No.: 104-55-2 EC-No.: 203-213-9 REACH-no: 01-2119935242- 45	0.5 – 1	Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1A, H317 Aquatic Chronic 3, H412
Patchouli oil	CAS-No.: 8014-09-3 EC-No.: 616-944-7 EC Index-No.: 616-944-7	0.5 – 0.9	Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Linalyl acetate	CAS-No.: 115-95-7 EC-No.: 204-116-4 REACH-no: 01-2119454789- 19	0.3 – 0.65	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Clove Leaf Oil	CAS-No.: 8000-34-8 EC-No.: 616-772-2	0.3 – 0.5	Eye Irrit. 2, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304
Linalool	CAS-No.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2 REACH-no: 01-2119474016-	0.3 – 0.5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Isoamyl alcohol substance with national workplace exposure limit(s) (AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IT, LT, LU, LV, NL, PL, PT, RO, SE, SI, NO, CH)	CAS-No.: 123-51-3 EC-No.: 204-633-5	0.3 – 0.5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
ethyl acetate substance with national workplace exposure limit(s) (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); substance with a Community workplace exposure limit	CAS-No.: 141-78-6 EC-No.: 205-500-4 EC Index-No.: 607-022-00-5 REACH-no: 01-2119475103-	0.3 – 0.5	Flam. Liq. 1, H224 Eye Irrit. 2, H319 STOT SE 3, H336
Oenanthic ether (Ethyl heptanoate)	CAS-No.: 106-30-9 EC-No.: 203-382-9	0.2 – 0.4	Flam. Liq. 3, H226 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
Lavandin abrialis oil	CAS-No.: 8022-15-9 EC-No.: 617-009-6	0.2 – 0.4	Eye Irrit. 2, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
benzyl benzoate	CAS-No.: 120-51-4 EC-No.: 204-402-9 EC Index-No.: 607-085-00-9 REACH-no: 01-2119976371- 33	0.2 – 0.36	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Triplal (Vertocitral)	CAS-No.: 68039-49-6 EC-No.: 268-264-1	0.2 – 0.3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Camphor substance with national workplace exposure limit(s) (AT, BE, BG, DK, ES, FI, FR, GB, GR, HR, IE, LT, PL, PT, RO, SK, NO, CH)	CAS-No.: 76-22-2 EC-No.: 200-945-0	0.2 – 0.3	Flam. Sol. 2, H228 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 2, H371 Aquatic Chronic 2, H411
benzaldehyde substance with national workplace exposure limit(s) (BG, FI, HU, LT, LV, PL)	CAS-No.: 100-52-7 EC-No.: 202-860-4 EC Index-No.: 605-012-00-5 REACH-no: 01-2119455540-	0.1 – 0.25	Acute Tox. 4 (Oral), H302
acetophenone substance with national workplace exposure limit(s) (BE, BG, DK, ES, FI, HU, IE, LT, LV, PL, PT, RO)	CAS-No.: 98-86-2 EC-No.: 202-708-7 EC Index-No.: 606-042-00-1 REACH-no: 01-2119533169- 37	0.1 – 0.2	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
3(2H)-Furanone, 4-hydroxy-2,5-dimethyl-	CAS-No.: 3658-77-3 EC-No.: 222-908-8	0 – 0.06	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Irrit. 2, H319 Skin Sens. 1A, H317

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

SECTION 4: First aid measures

4.1. Description of first aid measures

4.1. Description of mot ala 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	: 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 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 eyes with water as a precaution.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

center or a doctor if you feel unwell.

Symptoms/effects after inhalation : May cause an allergic skin reaction.

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

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

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

: Foam. Dry powder. Carbon dioxide. Water spray. Sand. Suitable extinguishing media

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.

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.

6.1.1. 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.

6.1.2. 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. Avoid breathing

dust/fume/gas/mist/vapours/spray. 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. No open flames. No smoking.

Avoid contact with skin and eyes. Wear personal protective equipment.

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Hygiene measures

: 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 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. Keep in fireproof place. Store in a well-ventilated place.

Keep cool.

Incompatible products

: Strong bases. Strong acids.

Incompatible materials

: Sources of ignition. Direct sunlight. Heat sources.

Storage temperature

· 25 °C

Storage area

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

Special rules on packaging Packaging materials Store in a closed container.Do not store in corrodable metal.

Switzerland

Storage class (LK) : LK 10/12 - Liquids

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

benzyl alcohol (100-51-6)		
Bulgaria - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Czech Republic - Occupational Exposure Limits		
PEL (OEL TWA)	40 mg/m³	
Finland - Occupational Exposure Limits		
HTP (OEL TWA)	45 mg/m³	
	10 ppm	
Germany - Occupational Exposure Limits (TRGS 90	0)	
AGW (OEL TWA)	22 mg/m³ (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	
Latvia - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	5 mg/m³	
OEL chemical category	Skin notation	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	240 mg/m³	

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benzyl alcohol (100-51-6)		
Slovenia - Occupational Exposure Limits		
OEL TWA	22 mg/m³	
	5 ppm	
OEL STEL	44 mg/m³	
	10 ppm	
OEL chemical category	Potential for cutaneous absorption	
Switzerland - Occupational Exposure Limits	s	
MAK (OEL TWA)	22 mg/m³ (aerosol, vapour)	
	5 ppm (aerosol, vapour)	
OEL chemical category	Skin notation	
Isoamyl alcohol (123-51-3)		
Austria - Occupational Exposure Limits		
MAK (OEL TWA)	18 mg/m³	
	5 ppm	
MAK (OEL STEL)	37 mg/m³	
	10 ppm	
Belgium - Occupational Exposure Limits		
OEL TWA	18 mg/m³	
	5 ppm	
OEL STEL	37 mg/m³	
	10 ppm	
Bulgaria - Occupational Exposure Limits		
OEL TWA	18 mg/m³	
	5 ppm	
OEL STEL	37 mg/m³	
	10 ppm	
Croatia - Occupational Exposure Limits		
GVI (OEL TWA)	18 mg/m³ 366 mg/m³ (regulated under 3-Methyl-1-butanol (3-Methyl-1-butanol)	
	5 ppm 100 ppm (regulated under 3-Methyl-1-butanol (3-Methyl-1-butanol)	
KGVI (OEL STEL)	37 mg/m³ 458 mg/m³ (regulated under 3-Methyl-1-butanol (3-Methyl-1-butanol)	
	10 ppm 125 ppm (regulated under 3-Methyl-1-butanol (3-Methyl-1-butanol)	
Cyprus - Occupational Exposure Limits		
OEL TWA	18 mg/m³	
	5 ppm	
OEL STEL	37 mg/m³	
	10 ppm	

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Cech Republic - Occupational Exposure Limits Del CEL TWA) 18 mg/m² Del CEL TWA 18 mg/m² (Pentanol, all isomers) DEL TWA 18 mg/m² (Pentanol, all isomers) DEL STEL 37 mg/m² Estonia - Occupational Exposure Limits DEL TWA 18 mg/m² DEL TWA 18 mg/m² Finiand - Occupational Exposure Limits HTP (OEL TWA) 18 mg/m² (Pentanol) Finiand - Occupational Exposure Limits HTP (OEL STEL) 37 mg/m² 19 mg/m² (Pentanol) HTP (OEL STEL) 37 mg/m² HTP (OEL STEL) 37 mg/m² VALE (OEL CISTEL) 18 mg/m² (restrictive limit) VALE (OEL CISTEL) 37 mg/m² (restrictive limit) VALE (OEL TWA) 73 mg/m² (restrictive limit) VALE (OEL TWA) 73 mg/m² (restrictive limit) OCCUpational Exposure Limits (TRGS 800) AGW (OEL TWA) 73 mg/m² (restrictive limit) 6 pmm OEL STEL <th colspan="2">Isoamyl alcohol (123-51-3)</th>	Isoamyl alcohol (123-51-3)			
Denmark - Occupational Exposure Limits 18 mg/m² (Pentanol, all isomers) OEL STEL 37 mg/m² Descriptional Exposure Limits 18 mg/m² (Pentanol, all isomers) DEL TWA 18 mg/m² DEL TWA 18 mg/m² DEL TWA 18 mg/m² DEL TWA 19 pm Finland - Occupational Exposure Limits 10 pm HTP (DEL TWA) 18 mg/m² (Pentanol) HTP (DEL STEL) 27 mg/m² 10 pm 10 pm France - Occupational Exposure Limits VME (DEL TWA) 18 mg/m² (restrictive limit) 5 ppm (restrictive limit) 5 ppm (restrictive limit) VLE (DEL C/STEL) 37 mg/m² (restrictive limit) 10 ppm (restrictive limit) 10 ppm (restrictive limit) 10 ppm (restrictive limit) 10 ppm (restrictive limit) Generacy - Occupational Exposure Limits (TRGS 900) AGW (OEL TWA) 73 mg/m² (restrictive limit) Greece - Occupational Exposure Limits Greece - Occupational Exposure Limits Greece - Occupational Exposure Limits AK (OEL TWA)	Czech Republic - Occupational Exposure Limits			
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Sprin (Pentanol, all isomers) Sprin (Pentanol, all isomers) Sprin (Pentanol, all isomers) Sprin	Denmark - Occupational Exposure Limits			
OEL STEL 37 mg/m² 10 ppm	OEL TWA	18 mg/m³ (Pentanol, all isomers)		
Bestonia - Occupational Exposure Limits 16 mg/m³ 5 ppm 17 mg/m³ 18 mg/m³ 19 ppm		5 ppm (Pentanol, all isomers)		
Second - Occupational Exposure Limits 18 mg/m² 5 ppm	OEL STEL	37 mg/m³		
OEL TWA 18 mg/m³ 5 ppm 37 mg/m³ 10 ppm 10 ppm Finland - Occupational Exposure Limits HTP (OEL TWA) 18 mg/m² (Pentanol) HTP (OEL STEL) 37 mg/m³ 10 ppm 10 ppm France - Occupational Exposure Limits VME (OEL TWA) 18 mg/m² (restrictive limit) 5 ppm (restrictive limit) 5 ppm (restrictive limit) Query - Occupational Exposure Limits (TRGS 900) AGW (OEL TWA) 73 mg/m² (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) AGW (OEL TWA) 73 mg/m² (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) Greece - Occupational Exposure Limits Greece - Occupational Exposure Limits OEL TWA 18 mg/m² 5 ppm 10 ppm Hungary - Occupational Exposure Limits OEL TWA 18 mg/m² AGW (OEL TWA) 18 mg/m² OEL TWA 18 mg/m² OEL TWA 18 mg/m²		10 ppm		
S pm	Estonia - Occupational Exposure Limits			
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VME (OEL TWA) 18 mg/m³ (restrictive limit) 5 ppm (restrictive limit) 10 ppm (restrictive limit) 18 mg/m³ 10 ppm 10 p		10 ppm		
S ppm (restrictive limit) VLE (OEL C/STEL)	France - Occupational Exposure Limits			
VLE (OEL C/STEL) 37 mg/m³ (restrictive limit) 10 ppm (restrictive limit) Germany - Occupational Exposure Limits (TRGS 900) AGW (OEL TWA) 73 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) 20 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) Greece - Occupational Exposure Limits OEL TWA 18 mg/m³ 5 ppm OEL STEL 37 mg/m³ 10 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) 18 mg/m³ CK (OEL STEL) 37 mg/m³ Ireland - Occupational Exposure Limits OEL TWA 18 mg/m³ 5 ppm OEL TWA 10 mg/m³ 10 mg/m³ 10 mg/m³	VME (OEL TWA)	18 mg/m³ (restrictive limit)		
To ppm (restrictive limit)		5 ppm (restrictive limit)		
Germany - Occupational Exposure Limits (TRGS 900) AGW (OEL TWA) 73 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) 20 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) Greece - Occupational Exposure Limits OEL TWA 18 mg/m³ 5 ppm OEL STEL 37 mg/m³ 10 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) 18 mg/m³ CK (OEL STEL) 37 mg/m³ Ireland - Occupational Exposure Limits OEL TWA 18 mg/m³ 5 ppm OEL STEL 10 mg/m³ 5 ppm OEL STEL	VLE (OEL C/STEL)	37 mg/m³ (restrictive limit)		
AGW (OEL TWA) 73 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) 20 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) Creece - Occupational Exposure Limits OEL TWA 18 mg/m³ 5 ppm OEL STEL 37 mg/m³ 10 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) 18 mg/m³ CK (OEL STEL) 37 mg/m³ Ireland - Occupational Exposure Limits OEL TWA 18 mg/m³ 5 ppm OEL STEL 10 mg/m³ 5 ppm OEL STEL		10 ppm (restrictive limit)		
BGW values are observed) 20 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) Greece - Occupational Exposure Limits OEL TWA 18 mg/m³ 5 ppm OEL STEL 37 mg/m³ 10 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) 18 mg/m³ CK (OEL STEL) 37 mg/m³ Ireland - Occupational Exposure Limits OEL TWA 18 mg/m³ 5 ppm OEL STEL 10 mg/m³ 5 ppm	Germany - Occupational Exposure Limits (TRGS 90	00)		
values are observed)	AGW (OEL TWA)			
OEL TWA 18 mg/m³ 5 ppm 37 mg/m³ OEL STEL 37 mg/m³ Hungary - Occupational Exposure Limits 8 mg/m³ AK (OEL TWA) 18 mg/m³ CK (OEL STEL) 37 mg/m³ Ireland - Occupational Exposure Limits OEL TWA 18 mg/m³ 5 ppm OEL STEL 10 mg/m³				
5 ppm	Greece - Occupational Exposure Limits			
OEL STEL 37 mg/m³ 10 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) 18 mg/m³ CK (OEL STEL) 37 mg/m³ Ireland - Occupational Exposure Limits OEL TWA 18 mg/m³ 5 ppm OEL STEL 10 mg/m³	OEL TWA	18 mg/m³		
10 ppm		5 ppm		
Hungary - Occupational Exposure Limits	OEL STEL	37 mg/m³		
AK (OEL TWA) 18 mg/m³ CK (OEL STEL) 37 mg/m³ Ireland - Occupational Exposure Limits OEL TWA 18 mg/m³ 5 ppm OEL STEL 10 mg/m³		10 ppm		
CK (OEL STEL) 37 mg/m³ Ireland - Occupational Exposure Limits OEL TWA 18 mg/m³ 5 ppm OEL STEL 10 mg/m³	Hungary - Occupational Exposure Limits			
Ireland - Occupational Exposure Limits OEL TWA 18 mg/m³ 5 ppm 5 ppm OEL STEL 10 mg/m³	AK (OEL TWA)	18 mg/m³		
OEL TWA 18 mg/m³ 5 ppm OEL STEL 10 mg/m³	CK (OEL STEL)	37 mg/m³		
5 ppm OEL STEL 10 mg/m³	Ireland - Occupational Exposure Limits	Ireland - Occupational Exposure Limits		
OEL STEL 10 mg/m³	OEL TWA	18 mg/m³		
		5 ppm		
37 ppm	OEL STEL	10 mg/m³		
		37 ppm		

Safety Data Sheet

Isoamyl alcohol (123-51-3)		
Italy - Occupational Exposure Limits		
OEL TWA	18 mg/m³	
	5 ppm	
OEL STEL	37 mg/m³	
	10 ppm	
Latvia - Occupational Exposure Limits		
OEL TWA	18 mg/m³	
	5 ppm	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	18 mg/m³	
	5 ppm	
TPRV (OEL STEL)	37 mg/m³	
	10 ppm	
Luxembourg - Occupational Exposure Limits	·	
OEL TWA	18 mg/m³	
	5 ppm	
OEL STEL	37 mg/m³	
	10 ppm	
Netherlands - Occupational Exposure Limits		
TGG-8u (OEL TWA)	18 mg/m³	
	5 ppm	
TGG-15min (OEL STEL)	37 mg/m³	
	10 ppm	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	18 mg/m³	
NDSCh (OEL STEL)	37 mg/m³	
Portugal - Occupational Exposure Limits		
OEL TWA	18 mg/m³ (indicative limit value)	
	5 ppm (indicative limit value)	
OEL STEL	37 mg/m³ (indicative limit value)	
	10 ppm (indicative limit value)	
Romania - Occupational Exposure Limits		
OEL TWA	18 mg/m³	
	5 ppm	
OEL STEL	37 mg/m³	
	10 ppm	
Slovenia - Occupational Exposure Limits		
OEL TWA	18 mg/m³	
	5 ppm	

Safety Data Sheet

Isoamyl alcohol (123-51-3)		
OEL STEL	37 mg/m³	
	10 ppm	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA)	18 mg/m³	
	5 ppm	
VLA-EC (OEL STEL)	37 mg/m³	
	10 ppm	
Sweden - Occupational Exposure Limits		
NGV (OEL TWA)	18 mg/m³	
	5 ppm	
KGV (OEL STEL)	37 mg/m³	
	10 ppm	
OEL chemical category	Skin notation	
United Kingdom - Occupational Exposure Limits		
WEL TWA (OEL TWA)	366 mg/m³	
	100 ppm	
WEL STEL (OEL STEL)	458 mg/m³	
	125 ppm	
Norway - Occupational Exposure Limits		
Grenseverdi (OEL TWA)	18 mg/m³	
	5 ppm	
Korttidsverdi (OEL STEL)	37 mg/m³ (value from the regulation)	
	10 ppm (value from the regulation)	
OEL chemical category	Skin notation	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA)	75 mg/m³ (Pentanol all isomers except 3-Methyl-1-butanol)	
	20 ppm (Pentanol all isomers except 3-Methyl-1-butanol)	
KZGW (OEL STEL)	150 mg/m³ (Pentanol (mixture of isomers) except 3-Methyl-1-butanol)	
	40 ppm (Pentanol (mixture of isomers) except 3-Methyl-1-butanol)	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA	100 ppm	
ACGIH OEL STEL	125 ppm	
ethyl acetate (141-78-6)		
EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL TWA	734 mg/m³	
	200 ppm	
IOEL STEL	1468 mg/m³	
	400 ppm	

Safety Data Sheet

Austria - Occupational Exposure Limits		
MAK (OEL TWA)	734 mg/m³	
	200 ppm	
MAK (OEL STEL)	1468 mg/m³	
	400 ppm	
Belgium - Occupational Exposure Limits		
OEL TWA	734 mg/m³	
	200 ppm	
OEL STEL	1468 mg/m³	
	400 ppm	
Bulgaria - Occupational Exposure Limits		
OEL TWA	734 mg/m³	
	200 ppm	
OEL STEL	1468 mg/m³	
	400 ppm	
Croatia - Occupational Exposure Limits		
GVI (OEL TWA)	734 mg/m³	
	200 ppm	
KGVI (OEL STEL)	1468 mg/m³	
	400 ppm	
Cyprus - Occupational Exposure Limits		
OEL TWA	734 mg/m³	
	200 ppm	
OEL STEL	1468 mg/m³	
	400 ppm	
Czech Republic - Occupational Exposure Limits		
PEL (OEL TWA)	700 mg/m³	
Denmark - Occupational Exposure Limits		
OEL TWA	540 mg/m³	
	150 ppm	
OEL STEL	1468 mg/m³	
	400 ppm	
Estonia - Occupational Exposure Limits		
OEL TWA	500 mg/m³	
	150 ppm	
OEL STEL	1100 mg/m³	
	300 ppm	
Finland - Occupational Exposure Limits		
HTP (OEL TWA)	730 mg/m³	

Safety Data Sheet

France - Occupational Exposure Limits VME (OEL CYSTEL) 734 mg/m² (restrictive limit) VLE (OEL CYSTEL) 400 ppm (restrictive limit) 400 ppm (restrictive limit) VLE (OEL CYSTEL) 400 ppm (restrictive limit) AGW (OEL TWA) 730 mg/m² (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) 86W values are observed) 60 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) 86W values are observed) 60 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) 60 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) 60 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) 60 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) 60 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) 60 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) 60 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) 60 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) 60 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) 60 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) 60 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) 60 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) 60 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) 60 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) 60 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW va	ethyl acetate (141-78-6)		
France - Occupational Exposure Limits VME (OEL CYSTEL) 400 ppm (restrictive limit) VLE (OEL CYSTEL) 400 ppm (restrictive limit) VLE (OEL CYSTEL) 400 ppm (restrictive limit) 400 ppm (restrictive limit) ACW (OEL TWA) ACW (OE		200 ppm	
France - Occupational Exposure Limits VME (OEL TWA) 734 mg/m³ (restrictive limit) VLE (OEL CISTEL) 406 mg/m³ (restrictive limit) 400 ppm (restrictive limit) AGW (OEL TWA) 730 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) Gibraltar - Occupational Exposure Limits OEL TWA 200 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) Gibraltar - Occupational Exposure Limits OEL TWA 200 mg/m³ 734 ppm OEL STEL 400 mg/m³ 1468 ppm Greece - Occupational Exposure Limits OEL TWA 234 mg/m³ 200 ppm OEL STEL 4468 mg/m³ AGU ppm OEL STEL) 4468 mg/m³ OEL Occupational Exposure Limits OEL TWA 734 mg/m³ 200 ppm OEL STEL 1468 mg/m³ AGW ppm AGW (OEL TWA) 734 mg/m³ 200 ppm OEL STEL 1468 mg/m³ AGW ppm Italy - Occupational Exposure Limits OEL TWA 734 mg/m³ 200 ppm OEL STEL 468 mg/m³ AGW ppm Italy - Occupational Exposure Limits OEL TWA 734 mg/m³ 200 ppm OEL STEL 6488 mg/m³ AGW ppm Italy - Occupational Exposure Limits OEL TWA 200 ppm OEL STEL 6488 mg/m³ AGW ppm Italy - Occupational Exposure Limits OEL TWA 200 ppm OEL STEL 6488 mg/m³ AGW ppm Italy - Occupational Exposure Limits OEL TWA 200 ppm OEL STEL 6488 mg/m³ AGW ppm Italy - Occupational Exposure Limits OEL TWA 200 ppm OEL STEL 6488 mg/m³ AGW ppm Latvia - Occupational Exposure Limits OEL TWA OEL Occupational Exposure Limits	HTP (OEL STEL)	1470 mg/m³	
Value (OEL C/STEL)		400 ppm	
200 pmm (restrictive limit) 1468 mg/m² (restrictive limit) 400 pmm 4	France - Occupational Exposure Limits		
VLE (OEL CISTEL)	VME (OEL TWA)	734 mg/m³ (restrictive limit)	
A00 ppm (restrictive limit)		200 ppm (restrictive limit)	
Germany - Occupational Exposure Limits (TRGS 900) AGW (OEL TWA) 730 mg/m² (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) 200 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) Gibraltar - Occupational Exposure Limits OEL TWA 200 mg/m² 734 ppm 734 ppm Greece - Occupational Exposure Limits 734 mg/m² OEL TWA 734 mg/m² OEL TWA 400 ppm Hungary - Occupational Exposure Limits 400 ppm KK (OEL STEL) 1468 mg/m² OEL chemical category Sensitzer OEL TWA 734 mg/m² OEL TWA 734 mg/m² OEL TWA 734 mg/m² OEL TWA 1468 mg/m² OEL TWA 1468 mg/m² OEL TWA 1468 mg/m² OEL TWA 734 mg/m² OEL TWA 734 mg/m² OEL TWA 1468 mg/m² OEL TWA <td>VLE (OEL C/STEL)</td> <td>1468 mg/m³ (restrictive limit)</td>	VLE (OEL C/STEL)	1468 mg/m³ (restrictive limit)	
AGW (OEL TWA) 730 mg/m² (the risk of damage to the embryo or fetus can be excluded when AGW and EGW values are observed) Gibraltar - Occupational Exposure Limits 200 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and EGW values are observed) Gibraltar - Occupational Exposure Limits 200 mg/m² GEL TWA 200 mg/m² 408 mg/m² 408 mg/m² Greece - Occupational Exposure Limits 734 mg/m² OEL TWA 734 mg/m² 200 ppm 400 ppm Hungary - Occupational Exposure Limits 734 mg/m² AK (OEL TWA) 734 mg/m² OEL CHWA) 734 mg/m² OEL CHEASTEL) 1468 mg/m² OEL TWA 734 mg/m² OEL TWA 734 mg/m² OEL TWA 1468 mg/m² OEL TWA 734 mg/m² OEL TWA 734 mg/m² OEL TWA 1468 mg/m² OEL TWA 734 mg/m² OEL TWA 734 mg/m² OEL STEL 1468 mg/m² OEL TWA 734 mg/m² OEL TWA 734 mg/m² OE Depm 00 ppm		400 ppm (restrictive limit)	
SGW values are observed 200 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) Sibrattar - Occupational Exposure Limits	Germany - Occupational Exposure Limits (TRGS 90	00)	
BGW values are observed)	AGW (OEL TWA)		
OEL TWA 200 mg/m³ 734 ppm OEL STEL 400 mg/m³ 1468 ppm Greece - Occupational Exposure Limits OEL TWA 734 mg/m³ 200 ppm OEL STEL 1468 mg/m³ 400 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) 734 mg/m³ CK (OEL STEL) 1468 mg/m³ OEL chemical category senitizer Iraly - Occupational Exposure Limits 734 mg/m³ OEL TWA 734 mg/m³ 00 ppm OEL STEL 1468 mg/m³ 00 ppm Italy - Occupational Exposure Limits OEL TWA 734 mg/m³ 200 ppm OEL TWA 734 mg/m³ 200 ppm OEL TWA 734 mg/m³ 200 ppm OEL TWA 74 mg/m³			
734 ppm	Gibraltar - Occupational Exposure Limits		
OEL STEL 400 mg/m² Greece - Occupational Exposure Limits 734 mg/m² OEL TWA 734 mg/m² OEL STEL 1468 mg/m² Hungary - Occupational Exposure Limits 734 mg/m² KK (OEL TWA) 734 mg/m² CK (OEL STEL) 1468 mg/m² OEL chemical category Sensitizer Ireland - Occupational Exposure Limits 734 mg/m² OEL TWA 734 mg/m² 0EL STEL 1468 mg/m² 1taly - Occupational Exposure Limits 400 ppm OEL TWA 734 mg/m² 0Ppm 200 ppm OEL STEL 1468 mg/m² 400 ppm 400 ppm OEL STEL 1468 mg/m² 400 ppm 400 ppm Latvia - Occupational Exposure Limits 200 mg/m²	OEL TWA	200 mg/m³	
1468 ppm		734 ppm	
Greece - Occupational Exposure Limits OEL TWA 734 mg/m³ 200 ppm 400 ppm OEL STEL 1488 mg/m³ 400 ppm 400 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) 734 mg/m³ CK (OEL STEL) 1468 mg/m³ OEL chemical category Sensitizer Ireland - Occupational Exposure Limits OEL TWA 734 mg/m³ 200 ppm OEL STEL 1468 mg/m³ Italy - Occupational Exposure Limits OEL TWA 734 mg/m³ 200 ppm OEL STEL 1468 mg/m³ 400 ppm OEL STEL 1468 mg/m³ 400 ppm Latvia - Occupational Exposure Limits OEL STEL 200 mg/m³	OEL STEL	400 mg/m³	
OEL TWA 734 mg/m³ 200 ppm 1468 mg/m³ 400 ppm 400 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) 734 mg/m³ CK (OEL STEL) 1468 mg/m³ OEL chemical category Sensitizer Ireland - Occupational Exposure Limits OEL TWA 734 mg/m³ 200 ppm OEL STEL 1468 mg/m³ 400 ppm Italy - Occupational Exposure Limits OEL TWA 734 mg/m³ 200 ppm OEL STEL 1468 mg/m³ 400 ppm OEL STEL 1468 mg/m³ 400 ppm OEL STEL 1468 mg/m³ 400 ppm		1468 ppm	
200 ppm	Greece - Occupational Exposure Limits		
OEL STEL 1468 mg/m³ Hungary - Occupational Exposure Limits AK (OEL TWA) 734 mg/m³ CK (OEL STEL) 1468 mg/m³ OEL chemical category Sensitizer Ireland - Occupational Exposure Limits OEL TWA 734 mg/m³ 200 ppm OEL STEL 1468 mg/m³ 1taly - Occupational Exposure Limits OEL TWA 734 mg/m³ 200 ppm OEL STEL 1468 mg/m³ 200 ppm OEL STEL 1468 mg/m³ 400 ppm OEL STEL 1468 mg/m³ 400 ppm	OEL TWA	734 mg/m³	
Hungary - Occupational Exposure Limits		200 ppm	
Hungary - Occupational Exposure Limits	OEL STEL	1468 mg/m³	
AK (OEL TWA) 734 mg/m³ OEL chemical category Sensitizer Ireland - Occupational Exposure Limits OEL TWA 734 mg/m³ 200 ppm OEL STEL 1468 mg/m³ 400 ppm Italy - Occupational Exposure Limits OEL TWA 734 mg/m³ 200 ppm OEL TWA 600 ppm OEL TWA 734 mg/m³ 400 ppm Italy - Occupational Exposure Limits OEL TWA 734 mg/m³ 200 ppm OEL TWA 200 ppm OEL STEL 1468 mg/m³ 400 ppm Latvia - Occupational Exposure Limits OEL TWA 200 mg/m³ 400 ppm		400 ppm	
CK (OEL STEL) 1468 mg/m³ OEL chemical category Sensitizer Ireland - Occupational Exposure Limits 734 mg/m³ OEL TWA 734 mg/m³ OEL STEL 1468 mg/m³ Italy - Occupational Exposure Limits 734 mg/m³ OEL TWA 734 mg/m³ 200 ppm OEL STEL 1468 mg/m³ 400 ppm Latvia - Occupational Exposure Limits 200 mg/m²	Hungary - Occupational Exposure Limits		
OEL chemical category Sensitizer Ireland - Occupational Exposure Limits 734 mg/m³ OEL TWA 734 mg/m³ 200 ppm 1468 mg/m³ 400 ppm 1400 ppm Italy - Occupational Exposure Limits OEL TWA 734 mg/m³ 200 ppm OEL STEL 1468 mg/m³ 400 ppm Latvia - Occupational Exposure Limits OEL TWA 200 mg/m³	AK (OEL TWA)	734 mg/m³	
Ireland - Occupational Exposure Limits OEL TWA 734 mg/m³ 200 ppm 1468 mg/m³ 400 ppm 1469 pm Italy - Occupational Exposure Limits OEL TWA 734 mg/m³ 200 ppm 200 ppm OEL STEL 1468 mg/m³ 400 ppm 400 ppm Latvia - Occupational Exposure Limits OEL TWA 200 mg/m³	CK (OEL STEL)	1468 mg/m³	
OEL TWA 734 mg/m³ 200 ppm 200 ppm OEL STEL 1468 mg/m³ 400 ppm Italy - Occupational Exposure Limits OEL TWA 734 mg/m³ 200 ppm OEL STEL 1468 mg/m³ 400 ppm Latvia - Occupational Exposure Limits OEL TWA 200 mg/m³	OEL chemical category	Sensitizer	
200 ppm 1468 mg/m³	Ireland - Occupational Exposure Limits		
OEL STEL 1468 mg/m³ 400 ppm Italy - Occupational Exposure Limits OEL TWA 734 mg/m³ 200 ppm OEL STEL 1468 mg/m³ 400 ppm Latvia - Occupational Exposure Limits OEL TWA 200 mg/m³	OEL TWA	734 mg/m³	
A00 ppm		200 ppm	
	OEL STEL	1468 mg/m³	
OEL TWA 734 mg/m³ 200 ppm OEL STEL 1468 mg/m³ 400 ppm Latvia - Occupational Exposure Limits OEL TWA 200 mg/m³		400 ppm	
200 ppm	Italy - Occupational Exposure Limits		
OEL STEL 1468 mg/m³ 400 ppm Latvia - Occupational Exposure Limits OEL TWA 200 mg/m³	OEL TWA	734 mg/m³	
400 ppm Latvia - Occupational Exposure Limits OEL TWA 200 mg/m³		200 ppm	
Latvia - Occupational Exposure Limits OEL TWA 200 mg/m³	OEL STEL	1468 mg/m³	
OEL TWA 200 mg/m³		400 ppm	
	Latvia - Occupational Exposure Limits		
54 ppm	OEL TWA	200 mg/m³	
		54 ppm	

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ethyl acetate (141-78-6)		
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	500 mg/m³	
	150 ppm	
NRV (OEL C)	1100 mg/m³	
	300 ppm	
Luxembourg - Occupational Exposure Limits		
OEL TWA	734 mg/m³	
	200 ppm	
OEL STEL	1468 mg/m³	
	400 ppm	
Malta - Occupational Exposure Limits		
OEL TWA	734 mg/m³	
	200 ppm	
OEL STEL	1468 mg/m³	
	400 ppm	
Netherlands - Occupational Exposure Limits		
TGG-8u (OEL TWA)	734 mg/m³	
	200 ppm	
TGG-15min (OEL STEL)	1468 mg/m³	
	400 ppm	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	734 mg/m³	
NDSCh (OEL STEL)	1468 mg/m³	
Portugal - Occupational Exposure Limits		
OEL TWA	734 mg/m³ (indicative limit value)	
	200 ppm (indicative limit value)	
OEL STEL	1468 mg/m³ (indicative limit value)	
	400 ppm (indicative limit value)	
Romania - Occupational Exposure Limits		
OEL TWA	734 mg/m³	
	200 ppm	
OEL STEL	1468 mg/m³	
	400 ppm	
Slovakia - Occupational Exposure Limits		
NPHV (OEL TWA)	734 mg/m³	
	200 ppm	
NPHV (OEL C)	1100 mg/m³	
Slovenia - Occupational Exposure Limits		
OEL TWA	734 mg/m³	
<u> </u>		

Safety Data Sheet

ethyl acetate (141-78-6)		
	200 ppm	
OEL STEL	1468 mg/m³	
	400 ppm	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA)	734 mg/m³	
	200 ppm	
VLA-EC (OEL STEL)	1468 mg/m³	
	400 ppm	
Sweden - Occupational Exposure Limits		
NGV (OEL TWA)	550 mg/m³	
	150 ppm	
KGV (OEL STEL)	1100 mg/m³	
	300 ppm	
United Kingdom - Occupational Exposure Limits		
WEL TWA (OEL TWA)	734 mg/m³	
	200 ppm	
WEL STEL (OEL STEL)	1468 mg/m³	
	400 ppm	
Norway - Occupational Exposure Limits		
Grenseverdi (OEL TWA)	734 mg/m³	
	200 ppm	
Korttidsverdi (OEL STEL)	1468 mg/m³ (value from the regulation)	
	400 ppm (value from the regulation)	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA)	730 mg/m³	
	200 ppm	
KZGW (OEL STEL)	1460 mg/m³	
	400 ppm	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA	400 ppm	
Camphor (76-22-2)		
Austria - Occupational Exposure Limits		
MAK (OEL TWA)	13 mg/m³	
	2 ppm	
Belgium - Occupational Exposure Limits		
OEL TWA	12 mg/m³	
	2 ppm	
OEL STEL	19 mg/m³	
	3 ppm	

Safety Data Sheet

Camphor (76-22-2)		
Bulgaria - Occupational Exposure Limits		
OEL TWA	12 mg/m³	
OEL STEL	18 mg/m³	
Croatia - Occupational Exposure Limits		
GVI (OEL TWA)	13 mg/m³	
	2 ppm	
KGVI (OEL STEL)	19 mg/m³	
	3 ppm	
Denmark - Occupational Exposure Limits		
OEL TWA	12 mg/m³	
	2 ppm	
OEL STEL	24 mg/m³	
	4 ppm	
Finland - Occupational Exposure Limits		
HTP (OEL TWA)	1.9 mg/m³	
	0.3 ppm	
HTP (OEL STEL)	5.7 mg/m³	
	0.9 ppm	
France - Occupational Exposure Limits		
VME (OEL TWA)	12 mg/m³	
	2 ppm	
Greece - Occupational Exposure Limits		
OEL TWA	12 mg/m³ (inhalable fraction)	
OEL STEL	18 mg/m³	
Ireland - Occupational Exposure Limits		
OEL TWA	12 mg/m³	
	2 ppm	
OEL STEL	18 mg/m³	
	3 ppm	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	3 mg/m³	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	12 mg/m³	
NDSCh (OEL STEL)	18 mg/m³	
Portugal - Occupational Exposure Limits		
OEL TWA	2 ppm	
OEL STEL	3 ppm	
OEL chemical category	A4 - Not Classifiable as a Human Carcinogen	

Safety Data Sheet

Camphor (76-22-2)		
Romania - Occupational Exposure Limits		
OEL TWA	1 mg/m³	
	6 ppm	
OEL STEL	3 mg/m³	
	18 ppm	
Slovakia - Occupational Exposure Limits		
NPHV (OEL TWA)	13 mg/m³	
	2 ppm	
NPHV (OEL C)	26 mg/m³	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA)	13 mg/m³	
	2 ppm	
VLA-EC (OEL STEL)	19 mg/m³	
	3 ppm	
United Kingdom - Occupational Exposure Limits		
WEL TWA (OEL TWA)	13 mg/m³	
	2 ppm	
WEL STEL (OEL STEL)	19 mg/m³	
	3 ppm	
Norway - Occupational Exposure Limits		
Grenseverdi (OEL TWA)	12 mg/m³	
	2 ppm	
Korttidsverdi (OEL STEL)	18 mg/m³ (value calculated)	
	4 ppm (value calculated)	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA)	13 mg/m³ (aerosol, vapour)	
	2 ppm (aerosol, vapour)	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA	2 ppm (synthetic)	
ACGIH OEL STEL	3 ppm (synthetic)	
ACGIH chemical category	Not Classifiable as a Human Carcinogen synthetic	
benzaldehyde (100-52-7)		
Bulgaria - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Finland - Occupational Exposure Limits		
HTP (OEL TWA)	4.4 mg/m³	
	1 ppm	
HTP (OEL C)	17.4 mg/m³	
	4 ppm	

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benzaldehyde (100-52-7)		
Hungary - Occupational Exposure Limits		
AK (OEL TWA)	5 mg/m³	
CK (OEL STEL)	10 mg/m³	
Latvia - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	5 mg/m³	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	10 mg/m³	
NDSCh (OEL STEL)	40 mg/m³	
acetophenone (98-86-2)		
Belgium - Occupational Exposure Limits		
OEL TWA	50 mg/m³	
	10 ppm	
Bulgaria - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Denmark - Occupational Exposure Limits		
OEL TWA	49 mg/m³	
	10 ppm	
OEL STEL	98 mg/m³	
	20 ppm	
Finland - Occupational Exposure Limits		
HTP (OEL TWA)	25 mg/m³	
	5 ppm	
Hungary - Occupational Exposure Limits		
AK (OEL TWA)	50 mg/m³	
Ireland - Occupational Exposure Limits		
OEL TWA	49 mg/m³	
	10 ppm	
OEL STEL	147 mg/m³ (calculated)	
	30 ppm (calculated)	
Latvia - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	5 mg/m³	
OEL chemical category	Skin notation	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	50 mg/m³	
NDSCh (OEL STEL)	100 mg/m³	

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acetophenone (98-86-2)	
Portugal - Occupational Exposure Limits	
OEL TWA	10 ppm
Romania - Occupational Exposure Limits	
OEL TWA	100 mg/m³
	20 ppm
OEL STEL	200 mg/m³
	41 ppm
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	50 mg/m³
	10 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	10 ppm

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Personal protective equipment symbol(s):





8.2.2.1. Eye and face protection

Eye protection:

Chemical goggles or safety glasses. Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Wear protective gloves.

8.2.2.3. Respiratory protection

Respiratory protection:

Wear appropriate mask

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8.2.2.4. Thermal hazards

No additional information available

8.2.3. 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.Odour threshold: Not availableMelting point: Not applicableFreezing point: Not availableBoiling point: Not available

Flammability : Not applicable, Combustible liquid

: Not available Lower explosion limit Upper explosion limit : Not available : 69 °C Flash point Auto-ignition temperature : Not available Decomposition temperature : Not available рΗ : Not available Viscosity, kinematic : Not available Solubility : Not available Partition coefficient n-octanol/water (Log Kow) : Not available

Vapour pressure : 0.018869941 mm Hg (calculated value)

Vapour pressure at 50° C : Not available Density : Not available Relative density : ≈ 0.93 Relative vapour density at 20° C : Not available Particle characteristics : Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content : 11.579 % (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

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

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10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Acute toxicity (inhalation)	Not classified		
Orange oil (8008-57-9)			
LD50 oral rat	4400 mg/kg (Source: NZ_CCID)		
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)		
benzyl alcohol (100-51-6)			
LD50 oral rat	1230 mg/kg (Source: NLM_CIP)		
LD50 oral	1570 mg/kg		
Vertenex (32210-23-4)	Vertenex (32210-23-4)		
LD50 oral rat	5 g/kg (Source: NLM_CIP)		
LD50 oral	3370 mg/kg bodyweight		
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)		
Vanillin (121-33-5)			
LD50 dermal rabbit	> 5010 mg/kg (Source: OECD_SIDS)		
LD50 dermal	2600 mg/kg bodyweight		
Vertofix (32388-55-9)			
LD50 oral	4500 mg/kg bodyweight		
LD50 dermal rabbit	> 5000 mg/kg (Source: ECHA_API)		
Cinnamic aldehyde (104-55-2)			
LD50 oral rat	2220 mg/kg (Source: NLM_CIP)		
LD50 oral	2220 mg/kg		
LD50 dermal rabbit	1260 mg/kg (Source: EPA_HPV)		
Patchouli oil (8014-09-3)			
LD50 oral rat	> 5 g/kg (Source: NLM_CIP)		
Linalyl acetate (115-95-7)			
LD50 oral rat	14550 mg/kg (Source: EPA_HPV)		
LD50 dermal rabbit	> 5000 mg/kg (Source: ECHA)		
LC50 Inhalation - Rat	> 18.94 mg/l (Exposure time: 8 h Source: ECHA)		
Clove Leaf Oil (8000-34-8)			
LD50 oral rat	1370 mg/kg (Source: NZ_CCID)		
LD50 oral	2650 mg/kg bodyweight		

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Clove Leaf Oil (8000-34-8)	
LD50 dermal rabbit	1200 mg/kg (Source: NLM_CIP)
LD50 dermal	2500 mg/kg bodyweight
Linalool (78-70-6)	
LD50 oral	2790 mg/kg
Isoamyl alcohol (123-51-3)	
LD50 oral rat	5770 mg/kg (Source: AU_WES)
LD50 oral	4000 mg/kg bodyweight
LD50 dermal rabbit	3250 mg/kg (Source: JAPAN_GHS)
LD50 dermal	3216 mg/kg bodyweight
LC50 Inhalation - Rat [ppm]	> 2000 ppm (Exposure time: 8 h Source: AU_WES)
ethyl acetate (141-78-6)	
LD50 oral rat	5620 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 18000 mg/kg (Source: JAPAN_GHS)
LC50 Inhalation - Rat [ppm]	4000 ppm/4h
Oenanthic ether (Ethyl heptanoate) (106-30-9)	
LD50 oral rat	> 34640 mg/kg (Source: NLM_CIP)
Lavandin abrialis oil (8022-15-9)	
LD50 oral rat	> 5 g/kg (Source: NLM_CIP)
benzyl benzoate (120-51-4)	
LD50 oral rat	500 mg/kg (Source: NLM_CIP)
LD50 oral	1160 mg/kg bodyweight
LD50 dermal rabbit	4000 mg/kg (Source: NLM_CIP)
Triplal (Vertocitral) (68039-49-6)	
LD50 oral	2330 mg/kg
Camphor (76-22-2)	
LD50 oral	1500 mg/kg
LD50 dermal rat	> 2000 mg/kg (Source: ECHA_API)
benzaldehyde (100-52-7)	
LD50 oral rat	1292 mg/kg (Source: JAPAN_GHS)
LD50 dermal rabbit	> 1250 mg/kg (Source: JAPAN_GHS)
acetophenone (98-86-2)	
LD50 oral rat	900 mg/kg (Source: JAPAN_GHS)
LD50 oral	500 mg/kg bodyweight
LD50 dermal rat	3300 mg/kg (Source: ECHA_API)
LC50 Inhalation - Rat	> 2.13 mg/l (Exposure time: 8 h Source: CHEMVIEW)
3(2H)-Furanone, 4-hydroxy-2,5-dimethyl- (3658-77-3)	
LD50 oral	1608 mg/kg bodyweight

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Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified STOT-single exposure : Not classified

Isoamy	yl alcohol ((123-51-3)

STOT-single exposure May cause respiratory irritation.

ethyl acetate (141-78-6)

STOT-single exposure May cause drowsiness or dizziness.

Camphor (76-22-2)

STOT-single exposure May cause damage to organs.

STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

Orange oil (8008-57-9)

Hydrocarbon Yes

benzyl benzoate (120-51-4)

Viscosity, kinematic 7.456 mm²/s

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

Potential adverse human health effects and

symptoms

: 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.

Hazardous to the aquatic environment, short–term : Not classified

(acute)

Hazardous to the aquatic environment, long-term : Toxic to aquatic life with long lasting effects.

(chronic)

5.11-5.11-5,	
benzyl alcohol (100-51-6)	
LC50 - Fish [1]	460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)
LC50 - Fish [2]	10 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)
EC50 - Crustacea [1]	23 mg/l (Exposure time: 48 h - Species: water flea)
Vertenex (32210-23-4)	
LC50 - Fish [1]	8.6 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [semi-static] Source: ECHA)
Vanillin (121-33-5)	
LC50 - Fish [1]	53 – 61.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
LC50 - Fish [2]	88 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)

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Vanillin (121-33-5)

NOEC (acute)	10000 mg/kg (Exposure time: 42 Days - Species: Eisenia foetida [soil dry weight])	
Linalyl acetate (115-95-7)		
LC50 - Fish [1]	11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)	
Linalool (78-70-6)		
EC50 96h - Algae [1]	88.3 mg/l (Species: Desmodesmus subspicatus)	
Isoamyl alcohol (123-51-3)		
LC50 - Fish [1]	700 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: ECHA)	
EC50 - Crustacea [1]	260 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
EC50 72h - Algae [1]	493 mg/l (Species: Desmodesmus subspicatus)	
EC50 96h - Algae [1]	181 mg/l (Species: Desmodesmus subspicatus)	
ethyl acetate (141-78-6)		
LC50 - Fish [1]	220 – 250 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)	
LC50 - Fish [2]	484 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: IUCLID)	
EC50 - Crustacea [1]	560 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])	
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	
benzaldehyde (100-52-7)		
LC50 - Fish [1]	10.6 – 11.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: EPA)	
LC50 - Fish [2]	12.69 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: IUCLID)	
acetophenone (98-86-2)		
LC50 - Fish [1]	162 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)	
LC50 - Fish [2]	155 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)	
12.2. Persistence and degradability		
SPICED BOURBON FR26768		
Persistence and degradability	Not established.	
Orange oil (8008-57-9)		
Persistence and degradability	Rapidly degradable	
benzyl alcohol (100-51-6)		
Persistence and degradability	Rapidly degradable	
Vertenex (32210-23-4)		
Persistence and degradability	Rapidly degradable	
Cedarwood oil, Texas (68990-83-0)		
Persistence and degradability	Not established.	

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Vanillin (121-33-5)		
Persistence and degradability	Rapidly degradable	
Vertofix (32388-55-9)		
Persistence and degradability	Rapidly degradable	
Cinnamic aldehyde (104-55-2)		
Persistence and degradability	Rapidly degradable	
Patchouli oil (8014-09-3)		
Persistence and degradability	Rapidly degradable	
Linalyl acetate (115-95-7)		
Persistence and degradability	Rapidly degradable	
Clove Leaf Oil (8000-34-8)		
Persistence and degradability	Rapidly degradable	
Linalool (78-70-6)		
Persistence and degradability	Rapidly degradable	
Isoamyl alcohol (123-51-3)		
Persistence and degradability	Rapidly degradable	
ethyl acetate (141-78-6)		
Persistence and degradability	Rapidly degradable	
Oenanthic ether (Ethyl heptanoate) (106-30-9)		
Persistence and degradability	Rapidly degradable	
Lavandin abrialis oil (8022-15-9)		
Persistence and degradability	Rapidly degradable	
benzyl benzoate (120-51-4)		
Persistence and degradability	May cause long-term adverse effects in the environment.	
Triplal (Vertocitral) (68039-49-6)		
Persistence and degradability	Rapidly degradable	
Camphor (76-22-2)		
Persistence and degradability	Rapidly degradable	
benzaldehyde (100-52-7)		
Persistence and degradability	Rapidly degradable	
acetophenone (98-86-2)		
Persistence and degradability	Rapidly degradable	
3(2H)-Furanone, 4-hydroxy-2,5-dimethyl- (3658-77-3)		
Persistence and degradability	Rapidly degradable	

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12.3. Bioaccumulative potential	
SPICED BOURBON FR26768	N
Bioaccumulative potential	Not established.
benzyl alcohol (100-51-6)	
Partition coefficient n-octanol/water (Log Pow)	1.05
Vertenex (32210-23-4)	
Partition coefficient n-octanol/water (Log Pow)	4.8 (at 25 °C)
Cedarwood oil, Texas (68990-83-0)	
Bioaccumulative potential	Not established.
Vanillin (121-33-5)	
Partition coefficient n-octanol/water (Log Pow)	1.23 (at 22 °C)
Vertofix (32388-55-9)	
BCF - Fish [1]	(3920 dimensionless (organ w.w.)
Partition coefficient n-octanol/water (Log Pow)	5.6 – 5.9
Cinnamic aldehyde (104-55-2)	
Partition coefficient n-octanol/water (Log Pow)	2.1065 (at 25 °C)
Linalyl acetate (115-95-7)	
Partition coefficient n-octanol/water (Log Pow)	3.9 (at 25 °C)
Isoamyl alcohol (123-51-3)	
Partition coefficient n-octanol/water (Log Pow)	1.35 (at pH 6.5)
ethyl acetate (141-78-6)	
BCF - Fish [1]	(30 dimensionless)
Partition coefficient n-octanol/water (Log Pow)	0.73 (at 20 °C (at pH 7)
Oenanthic ether (Ethyl heptanoate) (106-30-9)	
Partition coefficient n-octanol/water (Log Pow)	3.98 (at 35 °C (at pH 7)
benzyl benzoate (120-51-4)	
Partition coefficient n-octanol/water (Log Pow)	3.97 (at 25 °C)
Bioaccumulative potential	Not established.
Camphor (76-22-2)	
Partition coefficient n-octanol/water (Log Pow)	2.414 (at 25 °C)
benzaldehyde (100-52-7)	
BCF - Fish [1]	(no significant bioaccumulation)
Partition coefficient n-octanol/water (Log Pow)	1.4 (at 25 °C)
acetophenone (98-86-2)	
Partition coefficient n-octanol/water (Log Pow)	1.63 – 1.65
3(2H)-Furanone, 4-hydroxy-2,5-dimethyl- (3658-77-3)	
Partition coefficient n-octanol/water (Log Pow)	0.95 (at 20 °C (at pH 2.5)

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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

Product/Packaging disposal recommendations

Additional information **Ecological information** HP Code

- : Dispose of contents/container in accordance with licensed collector's sorting instructions.
- : Dispose of contents/container in accordance with local/national laws and regulations.
 - Dispose in a safe manner in accordance with local/national regulations.
- : Handle empty containers with care because residual vapours are flammable.
- : Avoid release to the environment.
- : HP4 "Irritant skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.

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
14.1. UN number or ID n	14.1. UN number or ID number			
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082
14.2. UN proper shippin	14.2. UN proper shipping name			
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CEDARWOOD OIL)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	Environmentally hazardous substance, liquid, n.o.s.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport document descr	iption			
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CEDARWOOD OIL), 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s., 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
14.3. Transport hazard class(es)				
9	9	9	9	9
**************************************	**************************************	1	**************************************	***************************************

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ADR	IMDG	IATA	ADN	RID
14.4. Packing group				
III	III	III	III	III
14.5. Environmental haz	zards			
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes

14.6. Special precautions for user

Overland transport

Classification code (ADR) : M6

Special provisions (ADR) : 274, 335, 375, 601

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 : TP1, TP29

(ADR)

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 : CV13

and handling (ADR)

Hazard identification number (Kemler No.) : 90

Orange plates :

90 3082

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

: LP01. P001 Packing instructions (IMDG) : PP1 Special packing provisions (IMDG) IBC packing instructions (IMDG) : IBC03 Tank instructions (IMDG) : T4 Tank special provisions (IMDG) : TP1, TP29 EmS-No. (Fire) : F-A : S-F EmS-No. (Spillage) 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) : 91

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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

Rail transport

Classification code (RID) : M6

Special provisions (RID) : 274, 335, 375, 601

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 : TP1, TP29

(RID)

Tank codes for RID tanks (RID) : LGBV

Transport category (RID) : 3

Special provisions for carriage – Packages (RID) : W12

Special provisions for carriage - Loading, unloading : CW13, CW31

and handling (RID)

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	Orange oil ; Isoamyl alcohol ; ethyl acetate ; 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

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EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(b)	SPICED BOURBON FR26768; Orange oil; benzyl alcohol; Vertenex; Cedarwood oil, Texas; Vertofix; Cinnamic aldehyde; Patchouli oil; Linalyl acetate; Clove Leaf Oil; Linalool; Isoamyl alcohol; ethyl acetate; Lavandin abrialis oil; benzyl benzoate; Triplal (Vertocitral); benzaldehyde; acetophenone; 3(2H)-Furanone, 4-hydroxy-2,5-dimethyl-	
3(c)	SPICED BOURBON FR26768; Orange oil; Cedarwood oil, Texas; Vertofix; Cinnamic aldehyde; Patchouli oil; Oenanthic ether (Ethyl heptanoate); Lavandin abrialis oil; benzyl benzoate; Triplal (Vertocitral)	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
40.	Orange oil ; Isoamyl alcohol ; ethyl acetate ; Oenanthic ether (Ethyl heptanoate) ; Camphor	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.

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 (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

VOC Directive (2004/42)

VOC content : 11.579 % (calculated value)(CARB VOC) (%w/w)

Explosives Precursors Regulation (2019/1148)

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

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

Drug Precursors Regulation (273/2004)

Contains no 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)

15.1.2. National regulations

France

Occupational diseases		
Code	Description	
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

: WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1). Water hazard class (WGK)

List of sensitizing substances (TRGS 907) Contains sensitizing substances according TRGS 907.

Hazardous Incident Ordinance (12. BlmSchV) Is not subject to the Hazardous Incident Ordinance (12. BlmSchV)

Netherlands

ABM category : A(2) - toxic for aquatic organisms, may have longterm hazardous effects in aquatic

environment

SZW-lijst van kankerverwekkende stoffen : Orange oil ,Cedarwood oil, Texas,Triplal (Vertocitral) are listed

SZW-lijst van mutagene stoffen : Orange oil ,Triplal (Vertocitral) are listed : None of the components are listed SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed

SZW-lijst van reprotoxische stoffen -

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen - Ontwikkeling : None of the components 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

Pregnant/breastfeeding women working with the product must not be in direct contact with

the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Other information : None.

Full text of H- and EUH-statements:		
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4	
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	

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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	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 1	Flammable liquids, Category 1	
Flam. Liq. 3	Flammable liquids, Category 3	
Flam. Sol. 2	Flammable solids, Category 2	
H224	Extremely flammable liquid and vapour.	
H226	Flammable liquid and vapour.	
H228	Flammable solid.	
H302	Harmful if swallowed.	
H304	May be fatal if swallowed and enters airways.	
H312	Harmful in contact with skin.	
H314	Causes severe skin burns and eye damage.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H332	Harmful if inhaled.	
H335	May cause respiratory irritation.	
H336	May cause drowsiness or dizziness.	
H371	May cause damage to organs.	
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.	
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
Skin Sens. 1A	Skin sensitisation, category 1A	
Skin Sens. 1B	Skin sensitisation, category 1B	
STOT SE 2	Specific target organ toxicity – Single exposure, Category 2	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	

The classification complies with

: ATP 12

Safety Data Sheet (SDS), EU

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.