Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878



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

1.1. Product identifier

Product form : Mixture

Product name : ROSE PINK SAPPHIRE CC-13013 5% in DPG

Product code : CC-13013_5%

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 : Perfumes, Fragrances

Function or use category : Odour agents

1.2.2. Uses advised against

Use of the substance/mixture

No additional information available

1.3. Details of the supplier of the safety data sheet

Candle Craft Weiherwiese 10 65510 Idstein - Germany T 49-6126-9363 -0

info@candlecraft.de - www.candlecraft.de

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]

Hazardous to the aquatic environment – Chronic Hazard H412

Category 3

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

Adverse physicochemical, human health and environmental effects

Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Signal word (CLP) : -

Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P273 - Avoid release to the environment.

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation.

EUH phrases : EUH208 - Contains Hexyl cinnamic aldehyde, Linalyl acetate, Vertenex, Linalool, Geraniol,

Iso E Super, Benzyl salicylate, Citronellol Pure. May produce an allergic reaction.

Extra phrases : Restricted to professional users.

2.3. Other hazards

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

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878



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 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 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]
Hexyl cinnamic aldehyde	CAS-No.: 101-86-0 EC-No.: 202-983-3 REACH-no: 01-2119533092- 50	0.21 – 0.42	Skin Sens. 1, H317 Aquatic Chronic 2, H411
Linalyl acetate	CAS-No.: 115-95-7 EC-No.: 204-116-4 REACH-no: 01-2119454789- 19	0.14 – 0.275	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran, galaxolide, (HHCB)	CAS-No.: 1222-05-5 EC-No.: 214-946-9 EC Index-No.: 603-212-00-7 REACH-no: 01-2119488227-	0.13 – 0.2625	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Linalool	CAS-No.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2 REACH-no: 01-2119474016-	0.105 – 0.2100315	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Vertenex	CAS-No.: 32210-23-4 EC-No.: 250-954-9 REACH-no: 01-2119976286- 24	0.105 – 0.21	Skin Sens. 1B, H317
Geraniol	CAS-No.: 106-24-1 EC-No.: 203-377-1 EC Index-No.: 603-241-00-5 REACH-no: 01-2119552430-	0.075012 – 0.158792	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317
Iso E Super	CAS-No.: 54464-57-2 EC-No.: 259-174-3 REACH-no: 01-2119489989- 04	0.07 – 0.14	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 1, H410
Benzyl salicylate	CAS-No.: 118-58-1 EC-No.: 204-262-9 EC Index-No.: 607-754-00-5 REACH-no: 01-2119969442- 31	0.07 – 0.14	Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Citronellol Pure	CAS-No.: 106-22-9 EC-No.: 203-375-0 REACH-no: 01-2119453995- 23	0.057067 – 0.1247345	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878



Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethyl acetoacetate substance with national workplace exposure limit(s) (RO)	CAS-No.: 141-97-9 EC-No.: 205-516-1	0.02 – 0.035	Not classified
Benzyl acetate substance with national workplace exposure limit(s) (BE, DK, ES, IE, LT, LV, PT, RO)	CAS-No.: 140-11-4 EC-No.: 205-399-7 REACH-no: 01-2119638272- 42	0.015 – 0.03	Aquatic Chronic 3, H412
Carbitol substance with national workplace exposure limit(s) (AT, DE, EE, SE, SI, CH)	CAS-No.: 111-90-0 EC-No.: 203-919-7 REACH-no: 01-2119475105- 42	0.007233 – 0.0108495	Not classified
Alcohol C-10 substance with national workplace exposure limit(s) (BG, DE, LT, LV, RO, CH)	CAS-No.: 112-30-1 EC-No.: 203-956-9	0 – 0.00043	Aquatic Chronic 3, H412
Aldehyde C-6 substance with national workplace exposure limit(s) (FI, PL)	CAS-No.: 66-25-1 EC-No.: 200-624-5	0 – 0.000105	Flam. Liq. 3, H226
Diphenyl oxide 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.: 101-84-8 EC-No.: 202-981-2 REACH-no: 01-2119472545- 33	0 – 0.000007	Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Caproic acid substance with national workplace exposure limit(s) (BG, LT, LV)	CAS-No.: 142-62-1 EC-No.: 205-550-7	0 - 0.000005	Eye Dam. 1, H318 Skin Corr. 1C, H314
Dimethyl sulfide substance with national workplace exposure limit(s) (BE, EE, ES, IE, LT, LV, PT, SE) Full text of H- and ELIH-statements: see section 16	CAS-No.: 75-18-3 EC-No.: 200-846-2	0 – 0.000000017 5	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319

Full text of H- and EUH-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 : 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 : Remove affected clothing and wash all exposed skin area with mild soap and water,

followed by warm water rinse. Wash skin with plenty of water.

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

center/doctor/physician if you feel unwell.

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.

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

Treat symptomatically.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878



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

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 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

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel.

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

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. 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

vapor.

Hygiene measures : 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

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep

container closed when not in use. Store in a well-ventilated place. Keep cool.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

Storage temperature : 25 °C

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

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

ANDLECRAFT

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

7.3. Specific end use(s)

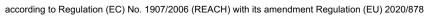
No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Ethyl acetoacetate (141-97-9)		
Romania - Occupational Exposure Limits		
OEL TWA	100 mg/m³	
OEL TWA	19 ppm	
OEL STEL	200 mg/m³	
OEL STEL	38 ppm	
Dimethyl sulfide (75-18-3)		
Belgium - Occupational Exposure Limits		
OEL TWA	26 mg/m³	
OEL TWA	10 ppm	
Estonia - Occupational Exposure Limits		
OEL TWA	1 ppm (total concentration of Dimethyl disulphide, Dimethyl sulphide and Methyl mercaptan)	
Ireland - Occupational Exposure Limits		
OEL TWA [2]	10 ppm	
OEL STEL	30 ppm (calculated)	
Latvia - Occupational Exposure Limits		
OEL TWA	50 mg/m³	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA) [ppm]	1 ppm	
Portugal - Occupational Exposure Limits		
OEL TWA	10 ppm	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA) [2]	10 ppm	
Sweden - Occupational Exposure Limits		
NGV (OEL TWA) [ppm]	1 ppm (total sum of Dimethyl disulfide, Dimethyl sulfide and Methyl thiol (Sulfides)	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA [ppm]	10 ppm	
Diphenyl oxide (101-84-8)		
EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL TWA	7 mg/m³	



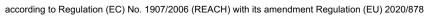


Diphenyl oxide (101-84-8)		
IOEL TWA [ppm]	1 ppm	
IOEL STEL	14 mg/m³	
IOEL STEL [ppm]	2 ppm	
Austria - Occupational Exposure Limits		
MAK (OEL TWA)	7 mg/m³	
MAK (OEL TWA) [ppm]	1 ppm	
MAK (OEL STEL)	14 mg/m³	
MAK (OEL STEL) [ppm]	2 ppm	
Belgium - Occupational Exposure Limits		
OEL TWA	7 mg/m³ (vapor)	
OEL TWA	1 ppm (vapor)	
OEL STEL	14 mg/m³ (vapor)	
OEL STEL	2 ppm (vapor)	
Bulgaria - Occupational Exposure Limits		
OEL TWA	7 mg/m³	
OEL TWA	1 ppm	
OEL STEL	14 mg/m³	
OEL STEL	2 ppm	
Croatia - Occupational Exposure Limits		
GVI (OEL TWA) [1]	7 mg/m³	
GVI (OEL TWA) [2]	1 ppm	
KGVI (OEL STEL)	14 mg/m³	
KGVI (OEL STEL) [ppm]	2 ppm	
Cyprus - Occupational Exposure Limits		
OEL TWA	7 mg/m³	
OEL TWA	1 ppm	
OEL STEL	14 mg/m³	
OEL STEL	2 ppm	
Czech Republic - Occupational Exposure Limits		
PEL (OEL TWA)	5 mg/m³	
Denmark - Occupational Exposure Limits		
OEL TWA [1]	7 mg/m³	
OEL TWA [2]	1 ppm	
OEL STEL	14 mg/m³	
OEL STEL	2 ppm	
Estonia - Occupational Exposure Limits		
OEL TWA	7 mg/m³	
OEL TWA	1 ppm	
OEL STEL	14 mg/m³	



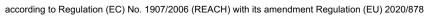


	Diphenyl oxide (101-84-8)		
HTP (OEL TWA) [2] 1 ppm	OEL STEL	2 ppm	
HTP (OEL STEL)	Finland - Occupational Exposure Limits		
HTP (OEL STEL) 14 mg/m² 2 ppm France - Occupational Exposure Limits 1 ppm 2 ppm 1 ppm 2 ppm 3 ppm	HTP (OEL TWA) [1]	7 mg/m³	
HTP (OEL STEL) [ppm] 2 ppm France - Occupational Exposure Limits VME (OEL TWA) [ppm] 1 ppm VME (OEL TWA) [ppm] 1 ppm VLE (OEL CSTEL) 14 mg/m² (indicative limit) VLE (OEL CSTEL) 14 mg/m² (indicative limit) VLE (OEL CSTEL) [ppm] 2 ppm (indicative limit) Germany - Occupational Exposure Limits (TRGS 900) AGW (OEL TWA) [1] 7.1 mg/m² (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor) AGW (OEL TWA) [2] 1 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor) Gibraltar - Occupational Exposure Limits OEL TWA 7 mg/m² OEL TWA 1 ppm OEL STEL 14 mg/m² OEL STEL 200 ppm Greece - Occupational Exposure Limits OEL TWA 7 mg/m² OEL STEL 14 mg/m² OEL STEL 2 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) 7 mg/m² OEL STEL 14 mg/m² OEL STEL 2 ppm Hungary - Occupational Exposure Limits OEL TWA 7 mg/m² OEL STEL 14 mg/m² OEL STEL 2 ppm Hungary - Occupational Exposure Limits OEL TWA 1 ppm (vapour) OEL STEL 1 ppm (vapour) OEL STEL 2 ppm (vapour) OEL STEL 3 ppm (vapour) OEL TWA [2] 1 ppm (vapour) OEL STEL 2 ppm (vapour) OEL STEL 3 ppm (vapour) OEL STEL 4 mg/m² (vapour) OEL STEL 5 ppm (vapour) OEL STEL 5 ppm (vapour) OEL STEL 5 ppm (vapour) OEL TWA [2] 1 ppm (vapour) OEL STEL 5 ppm (vapour) OEL STEL 5 ppm (vapour) OEL STEL 5 ppm (vapour) OEL TWA [2] 1 ppm (vapour) OEL STEL 5 ppm (vapour) OEL TWA [2] 1 ppm (vapour) OEL STEL 5 ppm (vapour) OEL TWA 7 mg/m²	HTP (OEL TWA) [2]	1 ppm	
France - Occupational Exposure Limits VME (OEL TWA) 7 mg/m² VME (OEL CYSTEL) 14 mg/m² (indicative limit) VLE (OEL CYSTEL) 2 pmm (enclosive limit) VLE (OEL CYSTEL) 5 pmm 2 pmm/m² (indicative limit) Germany - Occupational Exposure Limits (TRGS 900) AGW (OEL TWA) [7] 7.1 mg/m² (fine risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor) AGW (OEL TWA) [7] 1 pmm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor) AGW (OEL TWA) [7] 1 pmm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor) AGW (OEL TWA) 7 mg/m² OEL TWA 7 mg/m² OEL STEL 14 mg/m² OEL STEL 200 pmm Greece - Occupational Exposure Limits OEL TWA 7 mg/m² OEL STEL 14 mg/m² OEL STEL 14 mg/m² OEL STEL 14 mg/m² OEL STEL 14 mg/m² OEL STEL 15 mg/m² OEL STEL 16 mg/m² OEL STEL 17 mg/m² OEL STEL 18 mg/m² OEL STEL 19 mg/m² OEL TWA (7 mg/m² (vapour) OEL TWA [7] 7 mg/m² (vapour) OEL TWA [7] 7 mg/m² (vapour) OEL STEL 19 mg/m² OEL TWA [7] 7 mg/m² OEL STEL 19 mg/m² OEL STEL 19 mg/m² OEL STEL 19 mg/m² OEL STEL 19 mg/m² OEL TWA 19 mg/m² OEL TWA 19 mg/m² OEL TWA 7 mg/m²	HTP (OEL STEL)	14 mg/m³	
VME (OEL TWA) 7 mg/m² VME (OEL TWA) [ppm] 1 ppm VLE (OEL C/STEL) 14 mg/m² (indicative limit) VLE (OEL C/STEL) [ppm] 2 ppm (indicative limit) Germany - Occupational Exposure Limits (TRGS 900) AGW (OEL TWA) [1] 7 mg/m² (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor) AGW (OEL TWA) [2] 1 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor) Gibraltar - Occupational Exposure Limits OEL TWA 7 mg/m² OEL TWA 1 ppm OEL STEL 14 mg/m² OEL STEL 200 ppm Greece - Occupational Exposure Limits OEL TWA 1 ppm OEL STEL 14 mg/m² OEL STEL 2 ppm Hungary - Occupational Exposure Limits OEL STEL 2 ppm Hungary - Occupational Exposure Limits OEL TWA 7 mg/m² OEL STEL 14 mg/m² OEL STEL 14 mg/m² OEL STEL 2 ppm Hungary - Occupational Exposure Limits OEL TWA 7 mg/m² OEL STEL 14 mg/m² Ireland - Occupational Exposure Limits OEL TWA 1 ppm (vapour) OEL TWA 2 1 ppm (vapour) OEL STEL 14 mg/m² (vapour) OEL STEL 14 mg/m² (vapour) OEL STEL 14 mg/m² (vapour) OEL STEL 15 mg/m² (vapour) OEL TWA 1 ppm (vapour) OEL TWA 1 ppm (vapour) OEL STEL 14 mg/m² (vapour) OEL STEL 15 mg/m² (vapour) OEL STEL 15 mg/m² (vapour) OEL TWA 1 ppm (vapour) OEL TWA 1 ppm (vapour) OEL TWA 1 ppm Latvia - Occupational Exposure Limits OEL TWA 1 ppm Latvia - Occupational Exposure Limits OEL TWA 1 ppm	HTP (OEL STEL) [ppm]	2 ppm	
VME (OEL TWA) [ppm] 1 ppm VLE (OEL C/STEL) 14 mg/m³ (indicative limit) VLE (OEL C/STEL) [ppm] 2 ppm (indicative limit) Germany - Occupational Exposure Limits (TRGS 900) AGW (OEL TWA) [1] AGW (OEL TWA) [1] 7.1 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor) Gibraltar - Occupational Exposure Limits T mg/m³ OEL TWA 1 ppm OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 200 ppm Greece - Occupational Exposure Limits Cel TWA OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 14 mg/m³ Cel STEL 14 mg/m³ Cel STEL 14 mg/m³ Cel TWA [1] 7 mg/m³ (vapour) OEL TWA [2] 1 ppm (vapour) OEL STEL 2 ppm (vapour) OEL STEL 2 ppm (vapour	France - Occupational Exposure Limits		
VLE (OEL C/STEL) 14 mg/m³ (indicative limit) VLE (OEL C/STEL) [ppm] 2 ppm (indicative limit) Germany - Occupational Exposure Limits (TRGS 900) AGW (OEL TWA) [1] 7.1 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor) AGW (OEL TWA) [2] 1 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor) AGW (OEL TWA) [2] 1 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor) Gibraltar - Occupational Exposure Limits OEL TWA 7 mg/m² OEL TWA 9 1 ppm OEL STEL 14 mg/m³ OEL STEL 200 ppm Greece - Occupational Exposure Limits OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 14 mg/m³ OEL STEL 2 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) 7 mg/m² CK (OEL STEL) 14 mg/m³ Ireland - Occupational Exposure Limits OEL TWA [1] 7 mg/m² (vapour) OEL TWA [2] 1 ppm (vapour) OEL STEL 14 mg/m³ (vapour) OEL STEL 15 ppm (vapour) OEL STEL 16 ppm (vapour) OEL STEL 17 ppm (vapour) OEL TWA 2 1 ppm (vapour) OEL STEL 2 1 ppm (vapour) OEL STEL 3 ppm (vapour) OEL STEL 4 ppm (vapour) OEL STEL 5 ppm (vapour) OEL STEL 5 ppm (vapour) OEL STEL 6 ppm (vapour) OEL STEL 7 ppm (vapour) OEL STEL 7 ppm (vapour) OEL STEL 7 ppm (vapour) OEL TWA 7 pg/m²	VME (OEL TWA)	7 mg/m³	
VLE (OEL C/STEL) [ppm] 2 ppm (indicative limit) Germany - Occupational Exposure Limits (TRGS 900) AGW (OEL TWA) [1] 7.1 mg/m² (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor) AGW (OEL TWA) [2] 1 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor) Gibraltar - Occupational Exposure Limits OEL TWA 7 mg/m² OEL TWA 1 ppm OEL STEL 14 mg/m² OEL STEL 200 ppm Greece - Occupational Exposure Limits OEL TWA 1 ppm OEL STEL 14 mg/m² OEL STEL 2 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) 7 mg/m² CK (OEL STEL 2 ppm Hungary - Occupational Exposure Limits OEL TWA 7 mg/m² OEL STEL 2 ppm Hungary - Occupational Exposure Limits OEL TWA 1 ppm (vapour) OEL STEL 2 ppm (vapour) OEL STEL 3 ppm (vapour) OEL TWA 2 1 ppm (vapour) OEL TWA 2 2 ppm (vapour) OEL STEL 3 1 ppm (vapour) OEL STEL 4 1 ppm (vapour) OEL STEL 5 1 ppm (vapour) OEL TWA 7 mg/m² (vapour) OEL STEL 5 1 ppm (vapour) OEL STEL 5 ppm (v	VME (OEL TWA) [ppm]	1 ppm	
Germany - Occupational Exposure Limits (TRGS 900) AGW (OEL TWA) [1] 7.1 mg/m² (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor) AGW (OEL TWA) [2] 1 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor) Gibraltar - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 200 ppm Greece - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 2 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) 7 mg/m³ CK (OEL STEL 14 mg/m³ OEL TWA 1 ppm (vapour) OEL STEL 14 mg/m³ OEL TWA 11 ppm (vapour) OEL STEL 14 mg/m³ (vapour) OEL TWA [2] 1 ppm (vapour) OEL STEL 14 mg/m³ (vapour) OEL STEL 14 mg/m³ (vapour) OEL STEL 15 ppm (vapour) OEL STEL 16 ppm (vapour) OEL STEL 17 ppm (vapour) OEL STEL 18 ppm (vapour) OEL STEL 19 pp	VLE (OEL C/STEL)	14 mg/m³ (indicative limit)	
AGW (OEL TWA) [1] 7.1 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor) AGW (OEL TWA) [2] 1 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor) Gibrattar - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 200 ppm Greece - Occupational Exposure Limits OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 2 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) 7 mg/m³ CK (OEL STEL) 14 mg/m³ OEL STEL 2 ppm Hungary - Occupational Exposure Limits OEL TWA 7 mg/m³ CK (OEL STEL) 14 mg/m³ OEL STEL 14 mg/m³ OEL STEL 2 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) 7 mg/m³ OEL STEL 14 mg/m³ OEL STEL 14 mg/m³ OEL TWA 11 7 mg/m³ (vapour) OEL STEL 2 ppm (vapour) OEL STEL 2 ppm (vapour) OEL STEL 14 mg/m³ (vapour) OEL STEL 2 ppm (vapour) OEL STEL 2 ppm (vapour) Italy - Occupational Exposure Limits OEL TWA 7 mg/m³	VLE (OEL C/STEL) [ppm]	2 ppm (indicative limit)	
BGW values are observed-vapor) AGW (OEL TWA) [2] 1 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor) Gibrattar - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL STEL 14 mg/m³ OEL STEL 200 ppm Greece - Occupational Exposure Limits OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL TWA 1 ppm OEL STEL 2 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) 7 mg/m³ CK (OEL STEL 14 mg/m³ OEL STEL 2 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) 7 mg/m³ CK (OEL STEL) 14 mg/m³ OEL STEL 14 mg/m³ OEL STEL 2 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) 7 mg/m³ OEL STEL 14 mg/m³ Italiand - Occupational Exposure Limits OEL TWA [1] 7 mg/m³ (vapour) OEL STEL 14 mg/m³ (vapour) OEL STEL 2 ppm (vapour) Italy - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm	Germany - Occupational Exposure Limits (TRGS 90	0)	
values are observed-vapor)	AGW (OEL TWA) [1]		
OEL TWA 7 mg/m³ OEL TWA 1 ppm OEL STEL 14 mg/m² OEL STEL 200 ppm Greece - Occupational Exposure Limits OEL TWA OEL TWA 7 mg/m³ OEL STEL 14 mg/m² OEL STEL 2 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) OK (OEL STEL) 14 mg/m³ Ireland - Occupational Exposure Limits OEL TWA [1] OEL TWA [2] 1 ppm (vapour) OEL STEL 14 mg/m² (vapour) OEL STEL 14 mg/m² (vapour) OEL STEL 2 ppm (vapour) Italy - Occupational Exposure Limits OEL TWA OEL TWA 7 mg/m³ OEL TWA 1 ppm Latvia - Occupational Exposure Limits OEL TWA OEL TWA 7 mg/m³	AGW (OEL TWA) [2]		
OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 200 ppm Greece - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 2 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) 7 mg/m³ CK (OEL STEL) 14 mg/m³ Ireland - Occupational Exposure Limits OEL TWA [1] 7 mg/m³ (vapour) OEL STEL 14 mg/m³ (vapour) OEL STEL 14 mg/m³ (vapour) OEL STEL 2 ppm (vapour) Italy - Occupational Exposure Limits 7 mg/m³ OEL TWA 7 mg/m³ OEL TWA 1 ppm Latvia - Occupational Exposure Limits 7 mg/m³	Gibraltar - Occupational Exposure Limits		
DEL STEL	OEL TWA	7 mg/m³	
GEL STEL 200 ppm Greece - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 2 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) 7 mg/m³ CK (OEL STEL) 14 mg/m³ Ireland - Occupational Exposure Limits OEL TWA [1] 7 mg/m³ (vapour) OEL TWA [2] 1 ppm (vapour) OEL STEL 14 mg/m³ (vapour) OEL STEL 2 ppm (vapour) OEL STEL 3 ppm (vapour) OEL STEL 4 ppm (vapour) OEL STEL 5 ppm (vapour) OEL STEL 7 ppm (vapour) OEL STEL 1 ppm (vapour) Italy - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm Latvia - Occupational Exposure Limits OEL TWA 7 mg/m³	OEL TWA	1 ppm	
Greece - Occupational Exposure Limits OEL TWA OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 2 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) 7 mg/m³ CK (OEL STEL) 14 mg/m³ Ireland - Occupational Exposure Limits OEL TWA [1] 7 mg/m³ (vapour) OEL TWA [2] 1 ppm (vapour) OEL STEL 1 4 mg/m³ (vapour) OEL STEL 2 ppm (vapour) OEL STEL 1 4 mg/m³ (vapour) OEL STEL 1 5 ppm (vapour) Italy - Occupational Exposure Limits OEL TWA 1 ppm Latvia - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 7 mg/m³	OEL STEL	14 mg/m³	
OEL TWA 7 mg/m³ OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 2 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) 7 mg/m³ CK (OEL STEL) 14 mg/m³ Ireland - Occupational Exposure Limits OEL TWA [1] 7 mg/m³ (vapour) OEL TWA [2] 1 ppm (vapour) OEL STEL 14 mg/m³ (vapour) OEL STEL 2 ppm (vapour) Italy - Occupational Exposure Limits OEL TWA OEL TWA 7 mg/m³ OEL TWA 1 ppm Latvia - Occupational Exposure Limits 7 mg/m³	OEL STEL	200 ppm	
OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 2 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) 7 mg/m³ CK (OEL STEL) 14 mg/m³ Ireland - Occupational Exposure Limits OEL TWA [1] 7 mg/m³ (vapour) OEL TWA [2] 1 ppm (vapour) OEL STEL 14 mg/m³ (vapour) OEL STEL 2 ppm (vapour) Italy - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm Latvia - Occupational Exposure Limits 7 mg/m³	Greece - Occupational Exposure Limits		
OEL STEL 14 mg/m³ OEL STEL 2 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) 7 mg/m³ CK (OEL STEL) 14 mg/m³ Ireland - Occupational Exposure Limits OEL TWA [1] 7 mg/m³ (vapour) OEL TWA [2] 1 ppm (vapour) OEL STEL 14 mg/m³ (vapour) OEL STEL 2 ppm (vapour) Italy - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm Latvia - Occupational Exposure Limits 7 mg/m³ OEL TWA 7 mg/m³	OEL TWA	7 mg/m³	
OEL STEL 2 ppm Hungary - Occupational Exposure Limits AK (OEL TWA) 7 mg/m³ CK (OEL STEL) 14 mg/m³ Ireland - Occupational Exposure Limits OEL TWA [1] 7 mg/m³ (vapour) OEL TWA [2] 1 ppm (vapour) OEL STEL 14 mg/m³ (vapour) OEL STEL 2 ppm (vapour) OEL STEL 2 ppm (vapour) OEL STEL 1 ppm (vapour) OEL STEL 1 ppm (vapour) OEL STEL 1 ppm (vapour) Italy - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm Latvia - Occupational Exposure Limits OEL TWA 7 mg/m³	OEL TWA	1 ppm	
Hungary - Occupational Exposure Limits AK (OEL TWA) 7 mg/m³ CK (OEL STEL) 14 mg/m³ Ireland - Occupational Exposure Limits OEL TWA [1] 7 mg/m³ (vapour) OEL TWA [2] 1 ppm (vapour) OEL STEL 14 mg/m³ (vapour) OEL STEL 2 ppm (vapour) Italy - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm Latvia - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm	OEL STEL	14 mg/m³	
AK (OEL TWA) 7 mg/m³ CK (OEL STEL) 14 mg/m³ Ireland - Occupational Exposure Limits OEL TWA [1] 7 mg/m³ (vapour) OEL TWA [2] 1 ppm (vapour) OEL STEL 14 mg/m³ (vapour) OEL STEL 2 ppm (vapour) Italy - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm Latvia - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 7 mg/m³	OEL STEL	2 ppm	
CK (OEL STEL) 14 mg/m³ Ireland - Occupational Exposure Limits OEL TWA [1] 7 mg/m³ (vapour) OEL TWA [2] 1 ppm (vapour) OEL STEL 14 mg/m³ (vapour) OEL STEL 2 ppm (vapour) Italy - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm Latvia - Occupational Exposure Limits OEL TWA 7 mg/m³	Hungary - Occupational Exposure Limits		
Ireland - Occupational Exposure Limits OEL TWA [1] 7 mg/m³ (vapour) OEL TWA [2] 1 ppm (vapour) OEL STEL 14 mg/m³ (vapour) OEL STEL 2 ppm (vapour) Italy - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm Latvia - Occupational Exposure Limits OEL TWA 7 mg/m³	AK (OEL TWA)	7 mg/m³	
OEL TWA [1] 7 mg/m³ (vapour) OEL TWA [2] 1 ppm (vapour) OEL STEL 14 mg/m³ (vapour) OEL STEL 2 ppm (vapour) Italy - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm Latvia - Occupational Exposure Limits OEL TWA 7 mg/m³	CK (OEL STEL)	14 mg/m³	
OEL TWA [2] 1 ppm (vapour) OEL STEL 14 mg/m³ (vapour) OEL STEL 2 ppm (vapour) Italy - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm Latvia - Occupational Exposure Limits OEL TWA 7 mg/m³	Ireland - Occupational Exposure Limits		
OEL STEL 14 mg/m³ (vapour) OEL STEL 2 ppm (vapour) Italy - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm Latvia - Occupational Exposure Limits OEL TWA 7 mg/m³	OEL TWA [1]	7 mg/m³ (vapour)	
OEL STEL 2 ppm (vapour) Italy - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm Latvia - Occupational Exposure Limits OEL TWA 7 mg/m³	OEL TWA [2]	1 ppm (vapour)	
Italy - Occupational Exposure Limits 7 mg/m³ OEL TWA	OEL STEL	14 mg/m³ (vapour)	
OEL TWA 7 mg/m³ OEL TWA 1 ppm Latvia - Occupational Exposure Limits OEL TWA 7 mg/m³	OEL STEL	2 ppm (vapour)	
OEL TWA 1 ppm Latvia - Occupational Exposure Limits OEL TWA 7 mg/m³	Italy - Occupational Exposure Limits		
Latvia - Occupational Exposure Limits OEL TWA 7 mg/m³	OEL TWA	7 mg/m³	
OEL TWA 7 mg/m³	OEL TWA	1 ppm	
	Latvia - Occupational Exposure Limits		
OEL TWA 1 ppm	OEL TWA	7 mg/m³	
	OEL TWA	1 ppm	



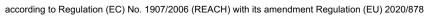


Lithuania - Occupational Exposure Limits FRV (OEL TWA) pm	Diphenyl oxide (101-84-8)		
IPRV (OEL TWA) [ppm]	Lithuania - Occupational Exposure Limits		
TPRV (OEL STEL) 14 mg/m² 2 ppm	IPRV (OEL TWA)	7 mg/m³	
TPRV (OEL STEL) [ppm] 2 ppm	IPRV (OEL TWA) [ppm]	1 ppm	
Luxembourg - Occupational Exposure Limits OEL TWA 1 ppm OEL STEL 14 mg/m² OEL STEL 2 ppm Matta - Occupational Exposure Limits OEL TWA 7 mg/m² OEL STEL 2 ppm Matta - Occupational Exposure Limits OEL TWA 7 mg/m² OEL STEL 2 ppm OEL STEL 14 mg/m² OEL STEL 2 ppm Netherlands - Occupational Exposure Limits TGG-8u (OEL TWA) 7 mg/m² TGG-8u (OEL TWA) [ppm] 1 ppm TGG-15min (OEL STEL) 14 mg/m² TGG-15min (OEL STEL) 15 mg/m² NDS (OEL TWA) 7 mg/m² NDS (OEL TWA) 7 mg/m² NDS (OEL TWA) 7 mg/m² OEL STEL 14 mg/m² OEL STEL 14 mg/m² OEL TWA 7 mg/m² OEL TWA 7 mg/m² OEL TWA 7 mg/m² OEL TWA 1 ppm (vapor) OEL STEL 14 mg/m² indicative limit value) OEL STEL 14 mg/m² OEL STEL 14 mg/m² OEL STEL 2 ppm (indicative limit value) OEL STEL 14 mg/m² OEL STEL 2 ppm (indicative limit value) OEL STEL 14 mg/m² OEL TWA 1 ppm OEL STEL 14 mg/m² OEL TWA 1 ppm OEL STEL 2 ppm Slovakia - Occupational Exposure Limits NPHV (OEL TWA) [1] 7 mg/m² NPHV (OEL TWA) [2] 1 ppm NPHV (OEL C) 7.1 mg/m² Slovenia - Occupational Exposure Limits	TPRV (OEL STEL)	14 mg/m³	
OEL TWA 7 mg/m² OEL TWA 1 ppm OEL STEL 14 mg/m² OEL STEL 2 ppm Malta - Occupational Exposure Limits OEL TWA OEL TWA 1 ppm OEL STEL 14 mg/m² OEL STEL 2 ppm Netherlands - Occupational Exposure Limits TGG-8u (OEL TWA) TGG-8u (OEL TWA) 7 mg/m² TGG-15min (OEL STEL) 14 mg/m² TGG-15min (OEL STEL) [ppm] 2 ppm Poland - Occupational Exposure Limits NDS (OEL TWA) NDS (OEL TWA) 7 mg/m² DOSCH TWA 1 pmm (vapor) OEL TWA 1 ppm (vapor) OEL TWA 1 ppm (vapor) OEL STEL 2 ppm (indicative limit value) OEL STEL 14 mg/m² (indicative limit value) OEL STEL 2 ppm (indicative limit value-vapor) OEL TWA 1 ppm (vapor) OEL STEL	TPRV (OEL STEL) [ppm]	2 ppm	
OEL TWA 1 ppm OEL STEL 14 mg/m² OEL STEL 2 ppm Malta - Occupational Exposure Limits OEL TWA OEL TWA 7 mg/m² OEL STEL 14 mg/m² OEL STEL 2 ppm Netherlands - Occupational Exposure Limits T mg/m² TGG-8u (OEL TWA) 7 mg/m³ TGG-15min (OEL STEL) 14 mg/m³ TGG-15min (OEL STEL) [ppm] 2 ppm Poland - Occupational Exposure Limits NDS (OEL TWA) NDS (OEL TWA) 7 mg/m² NDSCh (OEL STEL) 14 mg/m³ Portugal - Occupational Exposure Limits 1 pm (vapor) OEL TWA 7 mg/m² OEL STEL 2 ppm (indicative limit value) OEL STEL 2 ppm (indicative limit value-vapor) Romania - Occupational Exposure Limits OEL TWA OEL TWA 7 mg/m² OEL STEL 14 mg/m³ OEL TWA 2 ppm OEL TWA 7 mg/m² OEL STEL 14 mg/m³ OEL TWA 1 ppm OEL STEL	Luxembourg - Occupational Exposure Limits		
OEL STEL	OEL TWA	7 mg/m³	
OEL STEL 2 ppm Malta - Occupational Exposure Limits OEL TWA 7 mg/m² OEL TWA 1 ppm OEL STEL 14 mg/m² OEL STEL 2 ppm Netherlands - Occupational Exposure Limits TGG-8u (OEL TWA) TGG-8u (OEL TWA) [ppm] 1 ppm TGG-15min (OEL STEL) 14 mg/m³ TGG-15min (OEL STEL) [ppm] 2 ppm Poland - Occupational Exposure Limits NDS (OEL TWA) NDS (OEL TWA) 7 mg/m² NDSCN (OEL STEL) 14 mg/m³ Portugal - Occupational Exposure Limits OEL TWA OEL TWA 1 ppm (vapor) OEL TWA 1 ppm (vapor) OEL STEL 14 mg/m² (indicative limit value) OEL STEL 2 ppm (indicative limit value-vapor) Romania - Occupational Exposure Limits Pm OEL TWA 1 ppm OEL TWA 1 ppm OEL TWA 1 ppm OEL TWA 1 ppm OEL STEL 14 mg/m² OEL TWA 1 ppm OEL STEL 2 ppm	OEL TWA	1 ppm	
Malta - Occupational Exposure Limits OEL TWA	OEL STEL	14 mg/m³	
OEL TWA 7 mg/m³ OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 2 ppm Netherlands - Occupational Exposure Limits T mg/m³ TGG-8u (OEL TWA) 7 mg/m³ TGG-8u (OEL TWA) (ppm] 1 ppm TGG-15min (OEL STEL) 14 mg/m³ TGG-15min (OEL STEL) (ppm] 2 ppm Poland - Occupational Exposure Limits NDS (OEL TWA) NDS (OEL TWA) 7 mg/m³ NDSCh (OEL STEL) 14 mg/m³ Portugal - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm (vapor) OEL STEL 2 ppm (indicative limit value) OEL STEL 2 ppm (indicative limit value-vapor) Romania - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL STEL 14 mg/m³ OEL STEL 2 ppm Slovakia - Occupational Exposure Limits NPHV (OEL TWA) [1] 7 mg/m³ NPHV (OEL TWA) [2] 1 ppm NPHV (OEL C) 7.1 mg/m³	OEL STEL	2 ppm	
DEL TWA	Malta - Occupational Exposure Limits		
OEL STEL 14 mg/m³ OEL STEL 2 ppm Netherlands - Occupational Exposure Limits TGG-8u (OEL TWA) 7 mg/m³ TGG-8u (OEL TWA) [ppm] 1 ppm TGG-15min (OEL STEL) 14 mg/m³ TGG-15min (OEL STEL) [ppm] 2 ppm Poland - Occupational Exposure Limits NDS (OEL TWA) 7 mg/m³ NDSCh (OEL STEL) 14 mg/m³ Portugal - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm (vapor) OEL STEL 14 mg/m³ (indicative limit value) OEL STEL 2 ppm (indicative limit value-vapor) Romania - Occupational Exposure Limits OEL TWA OEL TWA 1 ppm OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 2 ppm Slovakia - Occupational Exposure Limits NPHV (OEL TWA) [1] 7 mg/m³ NPHV (OEL TWA) [2] 1 ppm NPHV (OEL C) 7.1 mg/m³ Slovenia - Occupational Exposure Limits	OEL TWA	7 mg/m³	
OEL STEL 2 ppm Netherlands - Occupational Exposure Limits 7 mg/m³ TGG-8u (OEL TWA) (ppm] 1 ppm TGG-15min (OEL STEL) 14 mg/m³ TGG-15min (OEL STEL) (ppm] 2 ppm Poland - Occupational Exposure Limits NDS (OEL TWA) 7 mg/m³ NDSCh (OEL STEL) 14 mg/m³ Portugal - Occupational Exposure Limits OEL TWA OEL TWA 1 ppm (vapor) OEL STEL 14 mg/m³ (indicative limit value) OEL STEL 2 ppm (indicative limit value-vapor) Romania - Occupational Exposure Limits 7 mg/m³ OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 1 ppm OEL STEL 2 ppm Slovakia - Occupational Exposure Limits NPHY (OEL TWA) [1] 7 mg/m³ NPHY (OEL TWA) [2] 1 ppm NPHY (OEL TWA) [2] 1 ppm NPHY (OEL C) 7.1 mg/m³ Slovenia - Occupational Exposure Limits	OEL TWA	1 ppm	
Netherlands - Occupational Exposure Limits TGG-8u (OEL TWA) 7 mg/m³ TGG-8u (OEL TWA) [ppm] 1 ppm TGG-15min (OEL STEL) 14 mg/m³ TGG-15min (OEL STEL) [ppm] 2 ppm Poland - Occupational Exposure Limits NDS (OEL TWA) 7 mg/m³ NDS (OEL STEL) 14 mg/m³ Portugal - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm (vapor) OEL STEL 14 mg/m³ (indicative limit value) OEL STEL 2 ppm (indicative limit value-vapor) Romania - Occupational Exposure Limits 7 mg/m³ OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 14 mg/m³ OEL STEL 2 ppm Slovakia - Occupational Exposure Limits NPHV (OEL TWA) [1] 7 mg/m³ NPHV (OEL TWA) [2] 1 ppm NPHV (OEL C) 7.1 mg/m³ Slovenia - Occupational Exposure Limits	OEL STEL	14 mg/m³	
TGG-8u (OEL TWA) 7 mg/m³ 1 ppm 1 ppm	OEL STEL	2 ppm	
TGG-8u (OEL TWA) [ppm] 1 ppm	Netherlands - Occupational Exposure Limits		
TGG-15min (OEL STEL)	TGG-8u (OEL TWA)	7 mg/m³	
TGG-15min (OEL STEL) [ppm] 2 ppm	TGG-8u (OEL TWA) [ppm]	1 ppm	
Poland - Occupational Exposure Limits NDS (OEL TWA) 7 mg/m³ NDSCh (OEL STEL) 14 mg/m³ Portugal - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm (vapor) OEL STEL 14 mg/m³ (indicative limit value) OEL STEL 2 ppm (indicative limit value-vapor) Romania - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 7 mg/m³ OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 2 ppm Slovakia - Occupational Exposure Limits NPHV (OEL TWA) [1] 7 mg/m³ NPHV (OEL TWA) [2] 1 ppm NPHV (OEL TWA) [2] 1 ppm NPHV (OEL C) 7.1 mg/m³ Slovenia - Occupational Exposure Limits	TGG-15min (OEL STEL)	14 mg/m³	
NDS (OEL TWA) 7 mg/m³ 14 mg/m³ Portugal - Occupational Exposure Limits 14 mg/m³ OEL TWA 7 mg/m³ OEL TWA 1 ppm (vapor) OEL STEL 14 mg/m³ (indicative limit value) OEL STEL 2 ppm (indicative limit value-vapor) Romania - Occupational Exposure Limits 1 ppm OEL TWA 1 ppm OEL TWA 1 ppm OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 19 ppm OEL TWA) OEL TWA)	TGG-15min (OEL STEL) [ppm]	2 ppm	
NDSCh (OEL STEL)	Poland - Occupational Exposure Limits		
Portugal - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm (vapor) OEL STEL 14 mg/m³ (indicative limit value) OEL STEL 2 ppm (indicative limit value-vapor) Romania - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 2 ppm Slovakia - Occupational Exposure Limits NPHV (OEL TWA) [1] 7 mg/m³ NPHV (OEL TWA) [2] 1 ppm NPHV (OEL TWA) [2] 1 ppm NPHV (OEL C) 7.1 mg/m³ Slovenia - Occupational Exposure Limits	NDS (OEL TWA)	7 mg/m³	
OEL TWA 7 mg/m³ OEL TWA 1 ppm (vapor) OEL STEL 14 mg/m³ (indicative limit value) OEL STEL 2 ppm (indicative limit value-vapor) Romania - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 2 ppm Slovakia - Occupational Exposure Limits NPHV (OEL TWA) [1] 7 mg/m³ NPHV (OEL TWA) [2] 1 ppm NPHV (OEL TWA) [2] 1 ppm NPHV (OEL C) 7.1 mg/m³ Slovenia - Occupational Exposure Limits	NDSCh (OEL STEL)	14 mg/m³	
OEL TWA 1 ppm (vapor) OEL STEL 14 mg/m³ (indicative limit value) OEL STEL 2 ppm (indicative limit value-vapor) Romania - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 2 ppm Slovakia - Occupational Exposure Limits NPHV (OEL TWA) [1] 7 mg/m³ NPHV (OEL TWA) [2] 1 ppm NPHV (OEL TWA) [2] 1 ppm NPHV (OEL C) 7.1 mg/m³ Slovenia - Occupational Exposure Limits	Portugal - Occupational Exposure Limits		
OEL STEL 14 mg/m³ (indicative limit value) OEL STEL 2 ppm (indicative limit value-vapor) Romania - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 2 ppm Slovakia - Occupational Exposure Limits NPHV (OEL TWA) [1] 7 mg/m³ NPHV (OEL TWA) [2] 1 ppm NPHV (OEL TWA) [2] 1 ppm NPHV (OEL C) 7.1 mg/m³ Slovenia - Occupational Exposure Limits	OEL TWA	7 mg/m³	
OEL STEL 2 ppm (indicative limit value-vapor) Romania - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 2 ppm Slovakia - Occupational Exposure Limits NPHV (OEL TWA) [1] NPHV (OEL TWA) [2] NPHV (OEL TWA) [2] NPHV (OEL C) 7.1 mg/m³ Slovenia - Occupational Exposure Limits	OEL TWA	1 ppm (vapor)	
Romania - Occupational Exposure Limits OEL TWA 7 mg/m³ OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 2 ppm Slovakia - Occupational Exposure Limits NPHV (OEL TWA) [1] 7 mg/m³ NPHV (OEL TWA) [2] 1 ppm NPHV (OEL C) 7.1 mg/m³ Slovenia - Occupational Exposure Limits	OEL STEL	14 mg/m³ (indicative limit value)	
OEL TWA 7 mg/m³ OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 2 ppm Slovakia - Occupational Exposure Limits NPHV (OEL TWA) [1] 7 mg/m³ NPHV (OEL TWA) [2] 1 ppm NPHV (OEL C) 7.1 mg/m³ Slovenia - Occupational Exposure Limits	OEL STEL	2 ppm (indicative limit value-vapor)	
OEL TWA 1 ppm OEL STEL 14 mg/m³ OEL STEL 2 ppm Slovakia - Occupational Exposure Limits NPHV (OEL TWA) [1] 7 mg/m³ NPHV (OEL TWA) [2] 1 ppm NPHV (OEL C) 7.1 mg/m³ Slovenia - Occupational Exposure Limits	Romania - Occupational Exposure Limits		
OEL STEL 14 mg/m³ OEL STEL 2 ppm Slovakia - Occupational Exposure Limits NPHV (OEL TWA) [1] 7 mg/m³ NPHV (OEL TWA) [2] 1 ppm NPHV (OEL C) 7.1 mg/m³ Slovenia - Occupational Exposure Limits	OEL TWA	7 mg/m³	
OEL STEL 2 ppm Slovakia - Occupational Exposure Limits NPHV (OEL TWA) [1] 7 mg/m³ NPHV (OEL TWA) [2] 1 ppm NPHV (OEL C) 7.1 mg/m³ Slovenia - Occupational Exposure Limits	OEL TWA	1 ppm	
Slovakia - Occupational Exposure Limits NPHV (OEL TWA) [1] 7 mg/m³ NPHV (OEL TWA) [2] 1 ppm NPHV (OEL C) 7.1 mg/m³ Slovenia - Occupational Exposure Limits	OEL STEL	14 mg/m³	
NPHV (OEL TWA) [1] 7 mg/m³ NPHV (OEL TWA) [2] 1 ppm NPHV (OEL C) 7.1 mg/m³ Slovenia - Occupational Exposure Limits	OEL STEL	2 ppm	
NPHV (OEL TWA) [2] 1 ppm NPHV (OEL C) 7.1 mg/m³ Slovenia - Occupational Exposure Limits	Slovakia - Occupational Exposure Limits		
NPHV (OEL C) 7.1 mg/m³ Slovenia - Occupational Exposure Limits	NPHV (OEL TWA) [1]	7 mg/m³	
Slovenia - Occupational Exposure Limits	NPHV (OEL TWA) [2]	1 ppm	
	NPHV (OEL C)	7.1 mg/m³	
OEL TWA 7 mg/m³	Slovenia - Occupational Exposure Limits		
	OEL TWA	7 mg/m³	



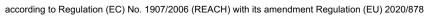


Diphenyl oxide (101-84-8)		
OEL TWA	1 ppm	
OEL STEL	14 mg/m³	
OEL STEL	2 ppm	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA) [1]	7.1 mg/m³ (vapor)	
VLA-ED (OEL TWA) [2]	1 ppm (vapor)	
VLA-EC (OEL STEL)	14.2 mg/m³ (vapor)	
VLA-EC (OEL STEL) [ppm]	2 ppm (vapor)	
Sweden - Occupational Exposure Limits		
NGV (OEL TWA)	7 mg/m³	
NGV (OEL TWA) [ppm]	1 ppm	
KTV (OEL STEL)	14 mg/m³	
KTV (OEL STEL) [ppm]	2 ppm	
United Kingdom - Occupational Exposure Limits		
WEL TWA (OEL TWA) [1]	7 mg/m³	
WEL TWA (OEL TWA) [2]	1 ppm	
WEL STEL (OEL STEL)	14 mg/m³	
WEL STEL (OEL STEL) [ppm]	2 ppm	
Norway - Occupational Exposure Limits		
Grenseverdi (OEL TWA) [1]	7 mg/m³	
Grenseverdi (OEL TWA) [2]	1 ppm	
Korttidsverdi (OEL STEL)	14 mg/m³ (value from the regulation)	
Korttidsverdi (OEL STEL) [ppm]	2 ppm (value from the regulation)	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA) [1]	7 mg/m³ (aerosol, vapour)	
MAK (OEL TWA) [2]	1 ppm (aerosol, vapour)	
KZGW (OEL STEL)	14 mg/m³ (aerosol, vapour)	
KZGW (OEL STEL) [ppm]	2 ppm (aerosol, vapour)	
OEL chemical category	Category 2 reproductive toxin	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA [ppm]	1 ppm (vapor)	
ACGIH OEL STEL [ppm]	2 ppm (vapor fraction)	
Benzyl acetate (140-11-4)		
Belgium - Occupational Exposure Limits		
OEL TWA	62 mg/m³	
OEL TWA	10 ppm	
Denmark - Occupational Exposure Limits		
OEL TWA [1]	61 mg/m³	
OEL TWA [2]	10 ppm	





Benzyl acetate (140-11-4)		
OEL STEL	122 mg/m³	
OEL STEL	20 ppm	
Ireland - Occupational Exposure Limits		
OEL TWA [2]	10 ppm	
OEL STEL	30 ppm (calculated)	
Latvia - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	5 mg/m³	
Portugal - Occupational Exposure Limits		
OEL TWA	10 ppm	
OEL chemical category	A4 - Not Classifiable as a Human Carcinogen	
Romania - Occupational Exposure Limits		
OEL TWA	50 mg/m³	
OEL TWA	8 ppm	
OEL STEL	80 mg/m³	
OEL STEL	13 ppm	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA) [1]	62 mg/m³	
VLA-ED (OEL TWA) [2]	10 ppm	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA [ppm]	10 ppm	
ACGIH chemical category	Not Classifiable as a Human Carcinogen	
Carbitol (111-90-0)		
Austria - Occupational Exposure Limits		
MAK (OEL TWA)	35 mg/m³	
MAK (OEL TWA) [ppm]	6 ppm	
MAK (OEL STEL)	140 mg/m³	
MAK (OEL STEL) [ppm]	24 ppm	
Estonia - Occupational Exposure Limits		
OEL TWA	50.1 mg/m³	
OEL TWA	10 ppm	
OEL chemical category	skin notation	
Germany - Occupational Exposure Limits (TRGS 900)		
AGW (OEL TWA) [1]	35 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
AGW (OEL TWA) [2]	6 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	





Carbitol (111-90-0)		
Slovenia - Occupational Exposure Limits		
OEL TWA	35 mg/m³	
OEL TWA	6 ppm	
OEL STEL	70 mg/m³	
OEL STEL	12 ppm	
Sweden - Occupational Exposure Limits		
NGV (OEL TWA)	80 mg/m³	
NGV (OEL TWA) [ppm]	15 ppm	
KTV (OEL STEL)	170 mg/m³	
KTV (OEL STEL) [ppm]	30 ppm	
OEL chemical category	skin notation	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA) [1]	50 mg/m³ (aerosol, inhalable dust, vapour)	
KZGW (OEL STEL)	100 mg/m³ (aerosol, inhalable dust, vapour)	
Alcohol C-10 (112-30-1)		
Bulgaria - Occupational Exposure Limits		
OEL TWA	10 mg/m³	
Germany - Occupational Exposure Limits (TRGS 90	0)	
AGW (OEL TWA) [1]	66 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
AGW (OEL TWA) [2]	10 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
Latvia - Occupational Exposure Limits		
OEL TWA	10 mg/m³	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	10 mg/m³	
Romania - Occupational Exposure Limits		
OEL TWA	100 mg/m³	
OEL TWA	15 ppm	
OEL STEL	200 mg/m³	
OEL STEL	30 ppm	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA) [1]	66 mg/m³ (aerosol, vapour)	
MAK (OEL TWA) [2]	10 ppm (aerosol, vapour)	
KZGW (OEL STEL)	66 mg/m³ (aerosol, vapour)	
KZGW (OEL STEL) [ppm]	10 ppm (aerosol, vapour)	
Aldehyde C-6 (66-25-1)		
Finland - Occupational Exposure Limits		
HTP (OEL STEL)	42 mg/m³	
<u> </u>		



according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878



Aldehyde C-6 (66-25-1)	
HTP (OEL STEL) [ppm]	10 ppm
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	40 mg/m³
NDSCh (OEL STEL)	80 mg/m³
Caproic acid (142-62-1)	
Bulgaria - Occupational Exposure Limits	
OEL TWA	5 mg/m³
Latvia - Occupational Exposure Limits	
OEL TWA	5 mg/m³
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	5 mg/m³

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

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878



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

Color : Standard. light yellow. amber. Conforms to standard.

: Not applicable

Odor characteristic. Odor threshold Not available Not applicable Melting point Freezing point : Not available Boiling point : Not available Flammability : Non flammable. Lower explosion limit : Not available Upper explosion limit : Not available Flash point : > 93 °C Auto-ignition temperature : Not available Decomposition temperature : Not available : Not available : Not available Viscosity, kinematic Solubility : Not available Partition coefficient n-octanol/water (Log Kow) : Not available Vapor pressure : Not available Vapor pressure at 50°C : Not available Density : Not available Relative density : Not available : Not available Relative vapor density at 20°C

9.2. Other information

Particle characteristics

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

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

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878



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 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	
Hexyl cinnamic aldehyde (101-86-0)		
LD50 oral rat	3100 mg/kg (Source: NLM_CIP)	
LD50 oral	3100 mg/kg body weight	
LD50 dermal rabbit	> 3000 mg/kg (Source: EPA_HPV)	
LC50 Inhalation - Rat	> 5 mg/l/4h	
Linalyl acetate (115-95-7)		
LD50 oral rat	14550 mg/kg (Source: EPA_HPV)	
LD50 dermal rabbit	> 5000 mg/kg (Source: EPA_HPV)	
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexameth	ylindeno[5,6-c]pyran, galaxolide, (HHCB) (1222-05-5)	
LD50 oral rat	> 3250 mg/kg (Source: CHEMVIEW)	
LD50 dermal rabbit	> 3250 mg/kg (Source: CHEMVIEW)	
Vertenex (32210-23-4)		
LD50 oral rat	5 g/kg (Source: NLM_CIP)	
LD50 oral	3370 mg/kg body weight	
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)	
Linalool (78-70-6)		
LD50 oral	2790 mg/kg body weight	
Geraniol (106-24-1)		
LD50 oral rat	3600 mg/kg (Source: NLM_CIP)	
LD50 oral	3600 mg/kg body weight	
LD50 dermal rabbit	> 5 g/kg (Source: NLM_CIP)	
Benzyl salicylate (118-58-1)		
LD50 oral rat	2227 mg/kg (Source: NLM_CIP)	
LD50 oral	2200 mg/kg body weight	
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)	
Citronellol Pure (106-22-9)		
LD50 oral rat	3450 mg/kg (Source: NLM_CIP)	
LD50 oral	3450 mg/kg body weight	
LD50 dermal rabbit	2650 mg/kg (Source: EPA_HPV)	





Citronellol Pure (106-22-9)	
LD50 dermal	2650 mg/kg body weight
Ethyl acetoacetate (141-97-9)	
LD50 oral rat	3980 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 5000 mg/kg (Source: NLM_CIP)
Dimethyl sulfide (75-18-3)	
LD50 oral rat	535 mg/kg (Source: NLM_CIP)
LD50 oral	3500 mg/kg body weight
LD50 dermal rabbit	> 5000 mg/kg (Source: JAPAN_GHS)
LC50 Inhalation - Rat [ppm]	40250 ppm/4h
Diphenyl oxide (101-84-8)	
LD50 oral rat	2450 mg/kg (Source: NLM_CIP)
LD50 oral	2830 mg/kg body weight
LD50 dermal rabbit	> 7940 mg/kg (Source: NLM_CIP)
LC50 Inhalation - Rat (Dust/Mist)	1.5 mg/l/4h
Benzyl acetate (140-11-4)	
LD50 oral rat	2490 mg/kg (Source: JAPAN_GHS)
LD50 oral	2490 mg/kg body weight
LD50 dermal rabbit	> 5000 mg/kg (Source: JAPAN_GHS)
Carbitol (111-90-0)	
LD50 oral rat	10502 mg/kg (Source: OECD_SIDS)
LD50 dermal rabbit	9143 mg/kg (Source: OECD_SIDS)
LC50 Inhalation - Rat	> 5240 mg/m³ (Exposure time: 4 h Source: NLM_CIP)
Alcohol C-10 (112-30-1)	
LD50 oral rat	4720 mg/kg (Source: NZ_CCID)
LD50 dermal rabbit	3560 mg/kg (Source: NLM_CIP)
Aldehyde C-6 (66-25-1)	
LD50 oral rat	4890 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 8100 mg/kg (Source: ECHA_API)
Caproic acid (142-62-1)	
LD50 oral rat	3 g/kg (Source: NLM_HSDB)
LD50 oral	4000 mg/kg body weight
LD50 dermal rabbit	630 mg/kg (Source: NLM_HSDB)
Skin corrosion/irritation : Additional information :	Not classified Based on available data, the classification criteria are not met
Serious eye damage/irritation :	Not classified
Additional information :	Based on available data, the classification criteria are not met
Respiratory or skin sensitization :	Not classified
Additional information :	Based on available data, the classification criteria are not met
Germ cell mutagenicity : Additional information :	Not classified Based on available data, the classification criteria are not met
Additional information .	Dasco on available data, the diassilloation differed are not filet

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Carcinogenicity : Not classified

Additional information : Based on available data, the classification criteria are not met

Benzyl acetate (140-11-4)

IARC group 3 - Not classifiable

Reproductive toxicity Not classified

Additional information Based on available data, the classification criteria are not met

STOT-single exposure Not classified

Additional information Based on available data, the classification criteria are not met

STOT-repeated exposure : Not classified

: Based on available data, the classification criteria are not met Additional information

Aspiration hazard : Not classified

Additional information : Based on available data, the classification criteria are not met

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

: Harmful to aquatic life with long lasting effects. Ecology - general

: Not classified

Hazardous to the aquatic environment, short-term

(acute)

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

(chronic)

(cironic)		
Linalyl acetate (115-95-7)		
LC50 - Fish [1]	11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)	
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylin	ndeno[5,6-c]pyran, galaxolide, (HHCB) (1222-05-5)	
LC50 - Fish [1]	0.452 mg/l Wolf, 1996d-27682	
LC50 - Other aquatic organisms [1]	> 0.14 mg/l REACH DOSSIER Pimephales promelas	
EC50 - Crustacea [2]	260 μg/l REACH Dossier	
EC50 - Other aquatic organisms [1]	0.131 mg/l REACH Dossier	
Vertenex (32210-23-4)		
LC50 - Fish [1]	8.6 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [semi-static] Source: ECHA)	
Linalool (78-70-6)		
EC50 96h - Algae [1]	88.3 mg/l (Species: Desmodesmus subspicatus)	
Geraniol (106-24-1)		
LC50 - Fish [1]	22 mg/l (Exposure time: 96 h - Species: Danio rerio [static] Source: ECHA)	
Benzyl salicylate (118-58-1)		
LC50 - Fish [1]	1.03 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)	
Ethyl acetoacetate (141-97-9)		
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)	

Safety Data Sheet





Ethyl acetoacetate (141-97-9)		
EC50 - Crustacea [1]	646 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
EC50 72h - Algae [1]	> 500 mg/l (Species: Desmodesmus subspicatus)	
Dimethyl sulfide (75-18-3)		
LC50 - Fish [1]	213 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static] Source: ECHA)	
EC50 - Crustacea [1]	23 mg/l (Exposure time: 48 h - Species: Daphnia pulex)	
Carbitol (111-90-0)		
LC50 - Fish [1]	10000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)	
LC50 - Fish [2]	19100 – 23900 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through] Source: EPA)	
EC50 - Crustacea [1]	3940 – 4670 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
Alcohol C-10 (112-30-1)		
LC50 - Fish [1]	2.2 – 2.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)	
LC50 - Fish [2]	4.12 – 6.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)	
EC50 - Crustacea [1]	3 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
Aldehyde C-6 (66-25-1)		
LC50 - Fish [1]	12 – 16.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)	
Caproic acid (142-62-1)		
LC50 - Fish [1]	306 – 334 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)	

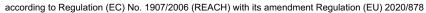
12.2. Persistence and degradability

ROSE PINK SAPPHIRE CC-13013 5% in DPG	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

ROSE PINK SAPPHIRE CC-13013 5% in DPG		
Bioaccumulative potential Not established.		
Linalyl acetate (115-95-7)		
Partition coefficient n-octanol/water (Log Pow) 3.9 (at 25 °C)		
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran, galaxolide, (HHCB) (1222-05-5)		
BCF - Fish [1]	(1618 dimensionless (whole body w.w.)	
Partition coefficient n-octanol/water (Log Pow)	5.3 (at 25 °C (at pH 7)	
Vertenex (32210-23-4)		
Partition coefficient n-octanol/water (Log Pow)	4.8 (at 25 °C)	

Safety Data Sheet





Geraniol (106-24-1)		
Partition coefficient n-octanol/water (Log Pow)	2.6 (at 25 °C)	
Benzyl salicylate (118-58-1)		
Partition coefficient n-octanol/water (Log Pow)	4	
Citronellol Pure (106-22-9)		
Partition coefficient n-octanol/water (Log Pow)	3.41 (at 25 °C)	
Ethyl acetoacetate (141-97-9)		
Partition coefficient n-octanol/water (Log Pow)	0.8 (at 20 °C)	
Diphenyl oxide (101-84-8)		
BCF - Fish [1]	(470 dimensionless)	
Partition coefficient n-octanol/water (Log Pow)	4.21 (at 25 °C)	
Benzyl acetate (140-11-4)		
Partition coefficient n-octanol/water (Log Pow)	1.96 (at 25 °C (at pH 7)	
Carbitol (111-90-0)		
Partition coefficient n-octanol/water (Log Pow)	-0.8	
Alcohol C-10 (112-30-1)		
Partition coefficient n-octanol/water (Log Pow)	4.5 (at 25 °C (at pH 6)	
Aldehyde C-6 (66-25-1)		
Partition coefficient n-octanol/water (Log Pow)	2.3 (at 25 °C (at pH 5)	
Caproic acid (142-62-1)		
Partition coefficient n-octanol/water (Log Pow)	1.88	

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

Ecology - waste materials

Waste treatment methods Product/Packaging disposal recommendations

- $: \ \, \text{Dispose of contents/container in accordance with licensed collector's sorting instructions}.$
- : Dispose in a safe manner in accordance with local/national regulations.
- : Avoid release to the environment.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878



HP code

- : HP3 "Flammable:"
 - flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;
 - flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;
 - flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;
 - flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;
 - water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;
 - other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.

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
I4.1. UN number or ID n	umber			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shippin	g name			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard o	class(es)			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental haz	ards			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878



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)	Dimethyl sulfide ; Aldehyde C-6	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)	Hexyl cinnamic aldehyde; Linalyl acetate; Vertenex; Linalool; Geraniol; Iso E Super; Benzyl salicylate; Citronellol Pure; Dimethyl sulfide; Caproic acid	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)	ROSE PINK SAPPHIRE CC-13013 5% in DPG; Hexyl cinnamic aldehyde; 1,3,4,6,7,8-hexahydro- 4,6,6,7,8,8- hexamethylindeno[5,6- c]pyran, galaxolide, (HHCB); Iso E Super; Benzyl salicylate; Benzyl acetate; Alcohol C-10	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.	Dimethyl sulfide ; Aldehyde C-6	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 REACH Annex XIV substances.

REACH Candidate List (SVHC)

Contains no REACH candidate substance

PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Drug Precursors Regulation (273/2004)

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878



15.1.2. National regulations

Germany

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

Storage class (LGK, TRGS 510) : LGK 12 - Non-combustible liquids.

Joint storage table

LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A
LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B
LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B
LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13

Joint storage not permitted for

Joint storage with restrictions permitted for

Joint storage permitted for

: LGK 1, LGK 6.2, LGK 7.

: LGK 4.1A, LGK 4.3, LGK 5.1C.

: LGK 2A, LGK 2B, LGK 3, LGK 4.1B, LGK 4.2, LGK 5.1A, LGK 5.1B, LGK 5.2, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK

10-13.

Hazardous Incident Ordinance (12. BlmSchV)

: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

ABM category : A(3) - hazardous for aquatic organisms, may have longterm hazardous effects in aquatic

environment

SZW-lijst van kankerverwekkende stoffen

SZW-lijst van mutagene stoffen

SZW-lijst van reprotoxische stoffen - Borstvoeding

SZW-lijst van reprotoxische stoffen -

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen - Ontwikkeling

: None of the components are listed : None of the components are listed : None of the components are listed

: None of the components are listed

: None of the components are listed

Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

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

the product

Switzerland

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

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE

> COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and

amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-phrases:		
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	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard Category 3	
EUH208	Contains Hexyl cinnamic aldehyde, Linalyl acetate, Vertenex, Linalool, Geraniol, Iso E Super, Benzyl salicylate, Citronellol Pure. May produce an allergic reaction.	
Eye Dam. 1	Serious eye damage/eye irritation Category 1	

Safety Data Sheet





Full text of H- and EUH-phrases:		
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 2	Flammable liquids Category 2	
Flam. Liq. 3	Flammable liquids Category 3	
H225	Highly flammable liquid and vapor.	
H226	Flammable liquid and vapor.	
H302	Harmful if swallowed.	
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.	
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. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C	
Skin Irrit. 2	Skin corrosion/irritation Category 2	
Skin Sens. 1	Skin sensitization, Category 1	
Skin Sens. 1B	Skin sensitization, Category 1B	

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.