

Peony Type CC-13000

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment
Regulation (EU) 2015/830 Issue date: 11/6/2020

CandleCraft

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

1.1. Product identifier

Product form : Mixture
Product name : Peony Type
UFI : YG6K-61PV-S00K-5KY7
Product code : CC-13000
Type of product : Perfumes, fragrances
Product group : Finished Good

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional 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

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]

Acute toxicity (oral), Category 4 H302
Skin sensitisation, Category 1 H317
Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Harmful if swallowed. Toxic to aquatic life with long lasting effects. May cause an allergic skin reaction.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

GHS09

Signal word (CLP) :

Warning

Contains :

Triplal (Vertocitral); Geraniol; Citronellol Pure; Mayol; Linalool; 2-Hydroxybenzoic acid, benzyl ester; Heliotropine crystals; trans-Anethole; Benzyl benzoate

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Hazard statements (CLP)	: H302 - Harmful if swallowed. H317 - May cause an allergic skin reaction. H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. 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. P301+P312 - IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.

2.3. Other hazards

No additional information available

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]
Benzyl benzoate	(CAS-No.) 120-51-4 (EC-No.) 204-402-9 (EC Index-No.) 607-085-00-9 (REACH-no) 01-2119976371-33	60.53 – 80.53	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Hexamethylindanopyran	(CAS-No.) 1222-05-5 (EC-No.) 214-946-9 (EC Index-No.) 603-212-00-7 (REACH-no) 01-2119488227-29	1.5 – 3	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Ethylene brassylate	(CAS-No.) 105-95-3 (EC-No.) 203-347-8 (REACH-no) 01-2119967772-24	0.875 – 1.75	Aquatic Chronic 2, H411
Phenylethyl alcohol	(CAS-No.) 60-12-8 (EC-No.) 200-456-2 (REACH-no) 01-2119963921-31	0.65 – 1.3	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
Linalool	(CAS-No.) 78-70-6 (EC-No.) 201-134-4 (EC Index-No.) 603-235-00-2 (REACH-no) 01-2119474016-42	0.61 – 1.22	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Citronellol Pure	(CAS-No.) 106-22-9 (EC-No.) 203-375-0 (REACH-no) 01-2119453995-23	0.51 – 1.02	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
2-Hydroxybenzoic acid, benzyl ester	(CAS-No.) 118-58-1 (EC-No.) 204-262-9 (REACH-no) 01-2119969442-31	0.375 – 0.75	Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Mayol	(CAS-No.) 13828-37-0 (EC-No.) 237-539-8	0.3 – 0.6	Skin Sens. 1B, H317 Skin Irrit. 2, H315
cis-3-Hexenyl salicylate	(CAS-No.) 65405-77-8 (EC-No.) 265-745-8	0.25 – 0.5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Geraniol	(CAS-No.) 106-24-1 (EC-No.) 203-377-1 (REACH-no) 01-2119552430-49	0.15 – 0.3	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317

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Heliotropine crystals	(CAS-No.) 120-57-0 (EC-No.) 204-409-7 (REACH-no) 01-2119983608-21	0.125 – 0.25	Skin Sens. 1B, H317
trans-Anethole	(CAS-No.) 4180-23-8 (EC-No.) 224-052-0	0.075 – 0.15	Skin Sens. 1B, H317
Triplal (Vertocitral)	(CAS-No.) 68039-49-6 (EC-No.) 268-264-1	0.05 – 0.1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Allyl heptanoate	(CAS-No.) 142-19-8 (EC-No.) 205-527-1 (REACH-no) 01-2119488961-23	0.05 – 0.1	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
Diphenyl oxide substance with a Community workplace exposure limit	(CAS-No.) 101-84-8 (EC-No.) 202-981-2 (REACH-no) 01-2119472545-33	0 – 0.02	Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash with plenty of water/.... If skin irritation or rash occurs: Get immediate medical advice/attention. Get medical advice/attention. Specific treatment (see Call a physician immediately on this label). Wash contaminated clothing before reuse. 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 CENTER/doctor if you feel unwell. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after inhalation	: May cause an allergic skin reaction.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after ingestion	: Swallowing a small quantity of this material will result in serious health hazard.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Toxic fumes may be released.
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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

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

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

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 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 vapour. Avoid breathing fume, gas, mist, spray, vapours. Avoid contact with skin and eyes.
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. 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 away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. Store in a well-ventilated place. Keep cool.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.
- Storage temperature : 25 °C
- Storage area : Store in a well-ventilated place. Store away from heat.
- Special rules on packaging : Store in a closed container.
- Packaging materials : Do not store in corrodable metal.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Diphenyl oxide (101-84-8)	
EU - Occupational Exposure Limits	
IOELV TWA (mg/m ³)	7 mg/m ³
IOELV TWA (ppm)	1 ppm
IOELV STEL (mg/m ³)	14 mg/m ³
IOELV STEL (ppm)	2 ppm
Austria - Occupational Exposure Limits	
MAK Daily average value (mg/m ³)	7 mg/m ³
MAK Daily average value (ppm)	1 ppm
MAK Short time value [mg/m ³]	14 mg/m ³
MAK Short time value [ppm]	2 ppm
Belgium - Occupational Exposure Limits	
Limit value [mg/m ³]	7 mg/m ³ (vapor)
Limit value [ppm]	1 ppm (vapor)
Short time value [mg/m ³]	14 mg/m ³ (vapor)
Short time value [ppm]	2 ppm (vapor)
Bulgaria - Occupational Exposure Limits	
OEL TWA (mg/m ³)	7 mg/m ³
OEL TWA (ppm)	1 ppm
OEL STEL (mg/m ³)	14 mg/m ³
OEL STEL (ppm)	2 ppm
Croatia - Occupational Exposure Limits	
GVI (granična vrijednost izloženosti) (mg/m ³)	7 mg/m ³
GVI (granična vrijednost izloženosti) (ppm)	1 ppm
KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	14 mg/m ³
KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	2 ppm
Cyprus - Occupational Exposure Limits	
OEL TWA (mg/m ³)	7 mg/m ³
OEL TWA (ppm)	1 ppm
OEL STEL (mg/m ³)	14 mg/m ³
OEL STEL (ppm)	2 ppm
Czech Republic - Occupational Exposure Limits	
Expoziční limity (PEL) (mg/m ³)	5 mg/m ³
Denmark - Occupational Exposure Limits	
Grænseværdi (8 timer) (mg/m ³)	7 mg/m ³
Grænseværdi (8 timer) (ppm)	1 ppm

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Diphenyl oxide (101-84-8)	
Estonia - Occupational Exposure Limits	
OEL TWA (mg/m ³)	7 mg/m ³
OEL TWA (ppm)	1 ppm
OEL STEL (mg/m ³)	14 mg/m ³
OEL STEL (ppm)	2 ppm
Finland - Occupational Exposure Limits	
HTP-arvo (8h) (mg/m ³)	7 mg/m ³
HTP-arvo (8h) (ppm)	1 ppm
HTP-arvo (15 min)	14 mg/m ³
HTP-arvo (15 min) (ppm)	2 ppm
France - Occupational Exposure Limits	
VME [mg/m ³]	7 mg/m ³
VME [ppm]	1 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
Occupational exposure limit value (mg/m ³)	7.1 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor)
Occupational exposure limit value (ppm)	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	
Eight hours mg/m ³	7 mg/m ³
Eight hours ppm	1 ppm
Short-term mg/m ³	14 mg/m ³
Short-term ppm	200 ppm
Greece - Occupational Exposure Limits	
OEL TWA (mg/m ³)	7 mg/m ³
OEL TWA (ppm)	1 ppm
OEL STEL (mg/m ³)	14 mg/m ³
OEL STEL (ppm)	2 ppm
Hungary - Occupational Exposure Limits	
AK-érték	7 mg/m ³
CK-érték	14 mg/m ³
Ireland - Occupational Exposure Limits	
OEL (8 hours ref) (mg/m ³)	7 mg/m ³ (vapour)
OEL (8 hours ref) (ppm)	1 ppm (vapour)
OEL (15 min ref) (mg/m ³)	14 mg/m ³ (vapour)
OEL (15 min ref) (ppm)	2 ppm (vapour)
Latvia - Occupational Exposure Limits	
OEL TWA (mg/m ³)	7 mg/m ³
OEL TWA (ppm)	1 ppm
Lithuania - Occupational Exposure Limits	
IPRV (mg/m ³)	7 mg/m ³

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Diphenyl oxide (101-84-8)	
IPRV (ppm)	1 ppm
TPRV (mg/m ³)	14 mg/m ³
TPRV (ppm)	2 ppm
Luxembourg - Occupational Exposure Limits	
OEL TWA (mg/m ³)	7 mg/m ³
OEL TWA (ppm)	1 ppm
OEL STEL (mg/m ³)	14 mg/m ³
OEL STEL (ppm)	2 ppm
Malta - Occupational Exposure Limits	
OEL TWA (mg/m ³)	7 mg/m ³
OEL TWA (ppm)	1 ppm
OEL STEL (mg/m ³)	14 mg/m ³
OEL STEL (ppm)	2 ppm
Netherlands - Occupational Exposure Limits	
Grenswaarde TGG 8H (mg/m ³)	7 mg/m ³
Grenswaarde TGG 15MIN (mg/m ³)	14 mg/m ³
Poland - Occupational Exposure Limits	
NDS (mg/m ³)	7 mg/m ³
NDSch (mg/m ³)	14 mg/m ³
Portugal - Occupational Exposure Limits	
OEL TWA (mg/m ³)	7 mg/m ³
OEL TWA (ppm)	1 ppm (vapor)
OEL STEL (mg/m ³)	14 mg/m ³ (indicative limit value)
OEL STEL (ppm)	2 ppm (indicative limit value-vapor)
Romania - Occupational Exposure Limits	
OEL TWA (mg/m ³)	5 mg/m ³
OEL TWA (ppm)	0.7 ppm
OEL STEL (mg/m ³)	10 mg/m ³
OEL STEL (ppm)	1.4 ppm
Slovakia - Occupational Exposure Limits	
NPHV (priemerná) (mg/m ³)	7 mg/m ³
NPHV (priemerná) (ppm)	1 ppm
NPHV (Hraničná) (mg/m ³)	7.1 mg/m ³
Slovenia - Occupational Exposure Limits	
OEL TWA (mg/m ³)	7 mg/m ³
OEL TWA (ppm)	1 ppm
OEL STEL (mg/m ³)	14 mg/m ³
OEL STEL (ppm)	2 ppm
Spain - Occupational Exposure Limits	
VLA-ED (mg/m ³)	7.1 mg/m ³ (vapor)

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Diphenyl oxide (101-84-8)	
VLA-ED (ppm)	1 ppm (vapor)
VLA-EC (mg/m ³)	14.2 mg/m ³ (vapor)
VLA-EC (ppm)	2 ppm (vapor)
Sweden - Occupational Exposure Limits	
nivågränsvärde (NVG) (mg/m ³)	7 mg/m ³
nivågränsvärde (NVG) (ppm)	1 ppm
kortidsvärde (KTV) (mg/m ³)	14 mg/m ³
kortidsvärde (KTV) (ppm)	2 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	7.1 mg/m ³ (vapour)
WEL TWA (ppm)	1 ppm (vapour)
WEL STEL (mg/m ³)	21.3 mg/m ³ (calculated-vapour)
WEL STEL (OEL STEL) [ppm]	3 ppm (calculated-vapour)
Norway - Occupational Exposure Limits	
Grenseverdier (AN) (mg/m ³)	7 mg/m ³
Grenseverdier (AN) (ppm)	1 ppm
Grenseverdier (Korttidsverdi) (mg/m ³)	14 mg/m ³ (value calculated)
Grenseverdier (Korttidsverdi) (ppm)	2 ppm (value calculated)
Switzerland - Occupational Exposure Limits	
MAK (mg/m ³)	7 mg/m ³ (aerosol, vapour)
MAK (ppm)	1 ppm (aerosol, vapour)
KZGW (mg/m ³)	7 mg/m ³ (aerosol, vapour)
KZGW (ppm)	1 ppm (aerosol, vapour)
OEL chemical category (CH)	Category 2 developmental toxin, Category 2 reproductive toxin
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (ppm)	1 ppm (vapor)
ACGIH STEL (ppm)	2 ppm (vapor fraction)

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or safety glasses. Safety glasses

Skin and body protection:

Wear suitable protective clothing

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Respiratory protection:

Wear appropriate mask

Personal protective equipment symbol(s):



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.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 93.33 °C (closed cup) ASTM D7094
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: ≈ 1.1
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

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.

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10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

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ATE CLP (oral)	613.994 mg/kg bodyweight
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Triplal (Vertocitral) (68039-49-6)

LD50 oral	3900 mg/kg bodyweight
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Allyl heptanoate (142-19-8)

LD50 oral rat	500 mg/kg
LD50 oral	218 mg/kg bodyweight
LD50 dermal	810 mg/kg bodyweight

Geraniol (106-24-1)

LD50 oral rat	3600 mg/kg
LD50 oral	3600 mg/kg bodyweight
LD50 dermal rabbit	> 5 g/kg

Diphenyl oxide (101-84-8)

LD50 oral rat	2450 mg/kg
LD50 oral	2830 mg/kg bodyweight
LD50 dermal rabbit	> 7940 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	1.5 mg/l/4h

Citronellol Pure (106-22-9)

LD50 oral rat	3450 mg/kg
LD50 oral	3450 mg/kg bodyweight
LD50 dermal rabbit	2650 mg/kg
LD50 dermal	2650 mg/kg bodyweight

Linalool (78-70-6)

LD50 oral	2790 mg/kg bodyweight
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Ethylene brassylate (105-95-3)

LD50 oral rat	> 5000 mg/kg
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LD50 dermal rabbit	> 5000 mg/kg
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2-Hydroxybenzoic acid, benzyl ester (118-58-1)

LD50 oral rat	2227 mg/kg
LD50 oral	2200 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg

Heliotropine crystals (120-57-0)

LD50 oral rat	2700 mg/kg
LD50 oral	2700 mg/kg bodyweight

trans-Anethole (4180-23-8)

LD50 oral rat	2090 mg/kg
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Phenylethyl alcohol (60-12-8)

LD50 oral rat	1609 mg/kg
LD50 oral	1610 mg/kg bodyweight
LD50 dermal rabbit	2535 mg/kg
LD50 dermal	2500 mg/kg bodyweight
LC50 Inhalation - Rat	> 4.63 mg/l/4h

cis-3-Hexenyl salicylate (65405-77-8)

LD50 oral rat	5 g/kg
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Benzyl benzoate (120-51-4)

LD50 oral rat	500 mg/kg
LD50 oral	1500 mg/kg bodyweight
LD50 dermal rabbit	4000 mg/kg
LD50 dermal	4000 mg/kg bodyweight

Hexamethylindanopyran (1222-05-5)

LD50 oral rat	> 3250 mg/kg
LD50 dermal rabbit	> 3250 mg/kg

Skin corrosion/irritation	: Not classified
Additional information	: 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 sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
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

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STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	: Harmful if swallowed.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Toxic to aquatic life with long lasting effects.
Ecology - water	: Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.

Geraniol (106-24-1)

LC50 fish 1	22 mg/l (Exposure time: 96 h - Species: Danio rerio [static])
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Linalool (78-70-6)

EC50 96h algae (1)	88.3 mg/l (Species: Desmodesmus subspicatus)
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2-Hydroxybenzoic acid, benzyl ester (118-58-1)

LC50 fish 1	1.03 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
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Heliotropine crystals (120-57-0)

LC50 fish 1	2.5 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [static])
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Phenylethyl alcohol (60-12-8)

EC50 Daphnia 1	287.17 mg/l (Exposure time: 48 h - Species: Daphnia magna)
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EC50 72h algae (1)	490 mg/l (Species: Desmodesmus subspicatus)
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Benzyl benzoate (120-51-4)

LC50 fish 1	2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
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NOEC (chronic)	0.168 mg/l
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Hexamethylindanopyran (1222-05-5)

LC50 fish 1	0.452 mg/l Wolf, 1996d-27682
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LC50 other aquatic organisms 1	> 0.14 mg/l REACH DOSSIER Pimephales promelas
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EC50 Daphnia 2	260 µg/l REACH Dossier
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EC50 other aquatic organisms 1	0.131 mg/l REACH Dossier
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12.2. Persistence and degradability

Peony Type CC-13000

Persistence and degradability	May cause long-term adverse effects in the environment.
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Peony Type CC-13000

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Benzyloxyacetone (120-51-4)

Persistence and degradability	May cause long-term adverse effects in the environment.
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12.3. Bioaccumulative potential

Peony Type CC-13000

Bioaccumulative potential	Not established.
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Diphenyl oxide (101-84-8)

BCF fish 1	470
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Partition coefficient n-octanol/water (Log Pow)	4.2
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Phenylethyl alcohol (60-12-8)

Partition coefficient n-octanol/water (Log Pow)	1.38 (at 25 °C)
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Benzyloxyacetone (120-51-4)

Partition coefficient n-octanol/water (Log Pow)	4
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Bioaccumulative potential	Not established.
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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. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container in accordance with local/national laws and regulations.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

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

14.1. UN number

UN-No. (ADR)	: UN 3082
UN-No. (IMDG)	: UN 3082
UN-No. (IATA)	: UN 3082
UN-No. (ADN)	: UN 3082
UN-No. (RID)	: UN 3082

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IATA)	: Environmentally hazardous substance, liquid, n.o.s.

Peony Type CC-13000

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Proper Shipping Name (ADN)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (RID)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport document description (ADR)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexamethylindanopyran), 9, III, (E)
Transport document description (IMDG)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexamethylindanopyran), 9, III, MARINE POLLUTANT
Transport document description (IATA)	: UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Hexamethylindanopyran), 9, III
Transport document description (ADN)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
Transport document description (RID)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 9
Danger labels (ADR) : 9



IMDG

Transport hazard class(es) (IMDG) : 9
Danger labels (IMDG) : 9



IATA

Transport hazard class(es) (IATA) : 9
Danger labels (IATA) : 9



ADN

Transport hazard class(es) (ADN) : 9
Danger labels (ADN) : 9



RID

Transport hazard class(es) (RID) : 9
Danger labels (RID) : 9



14.4. Packing group

Packing group (ADR) : III
Packing group (IMDG) : III
Packing group (IATA) : III
Packing group (ADN) : III

Peony Type CC-13000

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Packing group (RID) : III

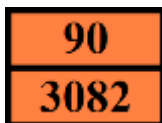
14.5. Environmental hazards

Dangerous for the environment : Yes
Marine pollutant : Yes
Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

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



Tunnel restriction code (ADR) : E
EAC code : •3Z

Transport by sea

Special provisions (IMDG) : 274, 335, 969
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : P001, LP01
Special packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T4
Tank special provisions (IMDG) : TP2, TP29
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-F
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
ERG code (IATA) : 9L

Inland waterway transport

Classification code (ADN) : M6
Special provisions (ADN) : 274, 335, 375, 601
Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E1
Carriage permitted (ADN) : T
Equipment required (ADN) : PP

Peony Type CC-13000

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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 (RID)	: TP1, TP29
Tank codes for RID tanks (RID)	: LGBV
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Special provisions for carriage - Loading, unloading and handling (RID)	: CW13, CW31
Colis express (express parcels) (RID)	: CE8
Hazard identification number (RID)	: 90

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

Reference code	Applicable on
3(b)	Peony Type CC-13000 ; Triplal (Vertocitral) ; Allyl heptanoate ; Geraniol ; Citronellol Pure ; Mayol ; Linalool ; 2-Hydroxybenzoic acid, benzyl ester ; trans-Anethole ; Phenylethyl alcohol ; Benzyl benzoate
3(c)	Peony Type CC-13000 ; Triplal (Vertocitral) ; Allyl heptanoate ; Ethylene brassylate ; 2-Hydroxybenzoic acid, benzyl ester ; cis-3-Hexenyl salicylate ; Benzyl benzoate ; Hexamethylindanopyran

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

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.

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

15.1.2. National regulations

Germany

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)

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

Netherlands

SZW-lijst van kankerverwekkende stoffen : Triplal (Vertocitral), cis-3-Hexenyl salicylate are listed

SZW-lijst van mutagene stoffen : Triplal (Vertocitral), cis-3-Hexenyl salicylate are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

Denmark

Classification remarks : 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

Peony Type CC-13000

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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, labelling 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-statements:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
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.

SDS EU (REACH Annex II)

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.