Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 17.03.2025 Version 4 (replaces version 3) Revision: 17.03.2025

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

◦ **1.1 Product identifier**

◦ Trade name: **Perfume Compound Tulip-Orange**

◦ Article number: P0228806
◦ Registration number -
◦ **1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
◦ Application of the substance / the mixture Flavour/Fragrance

◦ **1.3 Details of the supplier of the safety data sheet**
◦ Manufacturer/Supplier:
Frey & Lau GmbH
Immenhacken 12, D-24558 Henstedt-Ulzburg
Tel:++49-4193-9953 Fax: +49-4193-9955-80

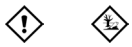
◦ Further information obtainable from:
Sachkundige Person Frey + Lau
info@freylau.com
◦ **1.4 Emergency telephone number:** ++49-40-54.77.99.56 WAKO

. SECTION 2: Hazards identification

◦ **2.1 Classification of the substance or mixture**
◦ Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2	H319 Causes serious eye irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.
Aquatic Chronic 2	H411 Toxic to aquatic life with long lasting effects.

◦ **2.2 Label elements**
◦ Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.
◦ Hazard pictograms



GHS07 GHS09

◦ Signal word Warning

◦ Hazard-determining components of labelling:
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one
3,7-Dimethyloctan-3-ol
(R)-p-mentha-1,8-diene
3,7-Dimethyl-1,6-octadien-3-yl acetate
3,7-Dimethylocta-2,6-dien-1-ol
3,7-Dimethyl-1,6-octadien-3-ol
2-Methyl-3-(p-methoxyphenyl)propanal
Nerol
1-(2,6,6-Trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one
dl-Citronellol
◦ Hazard statements
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
◦ Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves / eye protection / face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.

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P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

◦ **2.3 Other hazards**
◦ Results of PBT and vPvB assessment
◦ PBT: Not applicable.
◦ vPvB: Not applicable.

. SECTION 3: Composition/information on ingredients

◦ **3.2 Mixtures**
◦ Description: Mixture of substances listed below with nonhazardous additions.

◦ Dangerous components:

CAS: 54464-57-2 EINECS: 259-174-3	1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one Aquatic Chronic 1, H410 (M=1); Skin Irrit. 2, H315; Skin Sens. 1, H317	>10-20%
CAS: 63500-71-0 ELINCS: 405-040-6	2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol Eye Irrit. 2, H319	>2,5-5%
CAS: 103-05-9 EINECS: 203-074-4	2-Methyl-4-phenylbutan-2-ol Eye Irrit. 2, H319; Aquatic Chronic 3, H412	>2,5-5%
CAS: 78-69-3 EINECS: 201-133-9	3,7-Dimethyloctan-3-ol Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	>2,5-5%
CAS: 285977-85-7 ELINCS: 437-760-1	(2,5- dimethyl-1,3-dihydroinden-2-yl)methanol Eye Irrit. 2, H319; STOT SE 3, H336; Aquatic Chronic 3, H412	>2,5-5%
CAS: 115-95-7 EINECS: 204-116-4	3,7-Dimethyl-1,6-octadien-3-yl acetate Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	1-2,5%
CAS: 5989-27-5 EINECS: 227-813-5	(R)-p-mentha-1,8-diene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400 (M=1); Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 3, H412	≥1-<2,5%
CAS: 27606-09-3 EINECS: 248-561-2	2,4-dimethyl-4,4a,5,9b-tetrahydroindeno[1,2-d][1,3]dioxine Acute Tox. 4, H302; Aquatic Chronic 3, H412	≥1-<2,5%
CAS: 928-96-1 EINECS: 213-192-8	cis-3-Hexenol Flam. Liq. 3, H226; Eye Irrit. 2, H319	1-2,5%
CAS: 111879-80-2 ELINCS: 422-320-3	Oxacyclohexadecen-2-one Aquatic Acute 1, H400 (M=1); Aquatic Chronic 1, H410 (M=1)	≥0,25-<1%
CAS: 106-24-1 EINECS: 203-377-1	3,7-Dimethylocta-2,6-dien-1-ol Eye Dam. 1, H318; Skin Irrit. 2, H315; Skin Sens. 1, H317	≥0,1-<1%
CAS: 78-70-6 EINECS: 201-134-4	3,7-Dimethyl-1,6-octadien-3-ol Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	≥0,1-<1%
CAS: 5462-06-6 EINECS: 226-749-5	2-Methyl-3-(p-methoxyphenyl)propanal Skin Sens. 1B, H317	≥0,1-<1%
CAS: 106-25-2 EINECS: 203-378-7	Nerol Eye Dam. 1, H318; Skin Irrit. 2, H315; Skin Sens. 1B, H317	≥0,1-<1%
CAS: 106-22-9 EINECS: 203-375-0	dl-Citronellol Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	≥0,1-<1%
CAS: 87-44-5 EINECS: 201-746-1	beta-Caryophyllene Asp. Tox. 1, H304; Skin Sens. 1B, H317	≥0,1-<1%
CAS: 5392-40-5 EINECS: 226-394-6	3,7-Dimethyl-2,6-octadien-1-al (cis und trans) Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	≥0,1-<1%
CAS: 105-87-3 EINECS: 203-341-5	2,6-Octadien-1-ol, 3,7-dimethyl-, acetate, (E)- Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 3, H412	≥0,1-<1%
CAS: 141-12-8 EINECS: 205-459-2	Neryl acetate Skin Sens. 1B, H317	≥0,1-<1%
CAS: 18172-67-3 EINECS: 242-060-2	beta-Pinene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400 (M=1); Aquatic Chronic 1, H410 (M=1); Skin Irrit. 2, H315; Skin Sens. 1B, H317	≥0,1-<0,25%

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CAS: 68039-49-6 2,4-Dimethylcyclohex-3-ene-1-carbaldehyde ≥0,1-<0,25%
EINECS: 268-264-1 Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317
CAS: 70788-30-6 1-(2,2,6-Trimethylcyclohexyl)-3-hexanol ≥0,1-<0,25%
EINECS: 274-892-7 Aquatic Acute 1, H400 (M=1); Aquatic Chronic 1, H410 (M=1); Skin Sens. 1B, H317
CAS: 23696-85-7 1-(2,6,6-Trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one <0,1%
EINECS: 245-833-2 Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1A, H317
◦ Additional information: For the wording of the listed hazard phrases refer to section 16.

. SECTION 4: First aid measures

◦ **4.1 Description of first aid measures**
◦ General information: Immediately remove any clothing soiled by the product.
◦ After inhalation:
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
◦ After skin contact: Immediately wash with water and soap and rinse thoroughly.
◦ After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
◦ After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.
◦ **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
◦ **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

. SECTION 5: Firefighting measures

◦ **5.1 Extinguishing media**
◦ Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.
◦ For safety reasons unsuitable extinguishing agents: Water with full jet
◦ **5.2 Special hazards arising from the substance or mixture** During heating or in case of fire poisonous gases are produced.
◦ **5.3 Advice for firefighters**
◦ Protective equipment: No special measures required.

. SECTION 6: Accidental release measures

◦ **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
◦ **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
◦ **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Treat with 2 % sodium hydroxide solution.
Ensure adequate ventilation.
◦ **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

. SECTION 7: Handling and storage

◦ **7.1 Precautions for safe handling** Prevent formation of aerosols.
◦ Information about fire - and explosion protection: No special measures required.

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◦ **7.2 Conditions for safe storage, including any incompatibilities**
◦ Storage:
◦ Requirements to be met by storerooms and receptacles: No special requirements.
◦ Information about storage in one common storage facility: Not required.
◦ Further information about storage conditions: Keep container tightly sealed.
◦ Storage class: 10
◦ **7.3 Specific end use(s)** No further relevant information available.

. SECTION 8: Exposure controls/personal protection

◦ **8.1 Control parameters**
◦ Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
◦ Additional information: The lists valid during the making were used as basis.

◦ **8.2 Exposure controls**
◦ Appropriate engineering controls No further data; see section 7.
◦ Individual protection measures, such as personal protective equipment
◦ General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
◦ Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.
◦ Hand protection
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
◦ Material of gloves Multichemical-resistant gloves, Category III acc. to Regulation (EC) 2016/425
◦ Penetration time of glove material
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
◦ Eye/face protection
Safety glasses
Tightly sealed goggles

. SECTION 9: Physical and chemical properties

◦ **9.1 Information on basic physical and chemical properties**
◦ General Information

◦ Physical state	Fluid
◦ Colour:	Colourless to yellow tint
◦ Odour:	Characteristic
◦ Odour threshold:	Not determined.
◦ Melting point/freezing point:	Undetermined.
◦ Flammability	Not applicable.
◦ Lower and upper explosion limit	
◦ Lower:	Not determined.
◦ Upper:	Not determined.
◦ Flash point:	97 °C
◦ Decomposition temperature:	Not determined.
◦ pH	Mixture is non-polar/aprotic.
◦ Solubility	
◦ water:	Not determined.
◦ Partition coefficient n-octanol/water (log value)	Not determined.
◦ Density and/or relative density	
◦ Density at 20 °C:	0,974 g/cm³

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◦ *Relative density*	*Not determined.*
◦ *Vapour density*	*Not determined.*
◦ ***9.2 Other information***	
◦ *Appearance:*	
◦ *Form:*	*Fluid*
◦ *Important information on protection of health and environment, and on safety.*	
◦ *Ignition temperature:*	*Not determined.*
◦ *Explosive properties:*	*Not determined.*
◦ *Solvent separation test:*	
◦ *VOC (EC)*	*66,34 %*
◦ *Evaporation rate*	*Not determined.*
◦ *Information with regard to physical hazard classes*	
◦ *Explosives*	*Void*
◦ *Flammable gases*	*Void*
◦ *Aerosols*	*Void*
◦ *Oxidising gases*	*Void*
◦ *Gases under pressure*	*Void*
◦ *Flammable liquids*	*Void*
◦ *Flammable solids*	*Void*
◦ *Self-reactive substances and mixtures*	*Void*
◦ *Pyrophoric liquids*	*Void*
◦ *Pyrophoric solids*	*Void*
◦ *Self-heating substances and mixtures*	*Void*
◦ *Substances and mixtures, which emit flammable gases in contact with water*	*Void*
◦ *Oxidising liquids*	*Void*
◦ *Oxidising solids*	*Void*
◦ *Organic peroxides*	*Void*
◦ *Corrosive to metals*	*Void*
◦ *Desensitised explosives*	*Void*

. SECTION 10: Stability and reactivity

◦ ***10.1 Reactivity*** *No further relevant information available.*
◦ ***10.2 Chemical stability***
◦ *Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.*
◦ ***10.3 Possibility of hazardous reactions*** *No dangerous reactions known.*
◦ ***10.4 Conditions to avoid*** *No further relevant information available.*
◦ ***10.5 Incompatible materials:*** *No further relevant information available.*
◦ ***10.6 Hazardous decomposition products:*** *No dangerous decomposition products known.*

. SECTION 11: Toxicological information

◦ ***11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008***
◦ *Acute toxicity Based on available data, the classification criteria are not met.*
◦ *LD/LC50 values relevant for classification:*

ATE (Acute Toxicity Estimates)

Oral LD50 41.667 mg/kg

◦ *Skin corrosion/irritation Causes skin irritation.*
◦ *Serious eye damage/irritation Causes serious eye irritation.*
◦ *Respiratory or skin sensitisation May cause an allergic skin reaction.*
◦ *Germ cell mutagenicity Based on available data, the classification criteria are not met.*
◦ *Carcinogenicity Based on available data, the classification criteria are not met.*
◦ *Reproductive toxicity Based on available data, the classification criteria are not met.*

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◦ STOT-single exposure Based on available data, the classification criteria are not met.
◦ STOT-repeated exposure Based on available data, the classification criteria are not met.
◦ Aspiration hazard Based on available data, the classification criteria are not met.
◦ **11.2 Information on other hazards**
◦ Endocrine disrupting properties
None of the ingredients is listed.

. SECTION 12: Ecological information

◦ **12.1 Toxicity**
◦ Aquatic toxicity: No further relevant information available.
◦ **12.2 Persistence and degradability** No further relevant information available.
◦ **12.3 Bioaccumulative potential** No further relevant information available.
◦ **12.4 Mobility in soil** No further relevant information available.
◦ **12.5 Results of PBT and vPvB assessment**
◦ PBT: Not applicable.
◦ vPvB: Not applicable.
◦ **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
◦ **12.7 Other adverse effects**
◦ Remark: Toxic for fish
◦ Additional ecological information:
◦ General notes:
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

. SECTION 13: Disposal considerations

◦ **13.1 Waste treatment methods**
◦ Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.
◦ Uncleaned packaging:
◦ Recommendation: Disposal must be made according to official regulations.

. SECTION 14: Transport information

◦ **14.1 UN number or ID number**
◦ ADR, IMDG, IATA UN3082
◦ **14.2 UN proper shipping name**
◦ ADR ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, DIPENTENE)
◦ IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, DIPENTENE), MARINE POLLUTANT
◦ IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (containing 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, DIPENTENE)
◦ **14.3 Transport hazard class(es)**
◦ ADR
◦ Class 9 (M6) Miscellaneous dangerous substances and articles.
◦ Label 9

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◦ *IMDG, IATA*	
◦ *Class*	*9 Miscellaneous dangerous substances and articles.*
◦ *Label*	*9*
◦ ***14.4 Packing group***	
◦ *ADR, IMDG, IATA*	*III*
◦ ***14.5 Environmental hazards:***	*Product contains environmentally hazardous substances: 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one*
◦ *Marine pollutant:*	*Yes* *Symbol (fish and tree)*
◦ *Special marking (ADR):*	*Symbol (fish and tree)*
◦ *Special marking (IATA):*	*Symbol (fish and tree)*
◦ ***14.6 Special precautions for user***	*Warning: Miscellaneous dangerous substances and articles.*
◦ *Hazard identification number (Kemler code):*	*90*
◦ *EMS Number:*	*F-A,S-F*
◦ *Stowage Category*	*A*
◦ ***14.7 Maritime transport in bulk according to IMO instruments***	*Not applicable.*
◦ *Transport/Additional information:*	
◦ *ADR*	
◦ *Limited quantities (LQ)*	*5L*
◦ *Excepted quantities (EQ)*	*Code: E1* *Maximum net quantity per inner packaging: 30 ml* *Maximum net quantity per outer packaging: 1000 ml*
◦ *Transport category*	*3*
◦ *Tunnel restriction code*	*(-)*
◦ *IMDG*	
◦ *Limited quantities (LQ)*	*5L*
◦ *Excepted quantities (EQ)*	*Code: E1* *Maximum net quantity per inner packaging: 30 ml* *Maximum net quantity per outer packaging: 1000 ml*
◦ *UN "Model Regulation":*	*UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHYL) ETHAN-1-ONE, DIPENTENE), 9, III*

. SECTION 15: Regulatory information

◦ ***15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture***
◦ *Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.*
◦ *Hazard pictograms*

GHS07 GHS09

◦ *Signal word Warning*

◦ *Hazard-determining components of labelling:*
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one
3,7-Dimethyloctan-3-ol
(R)-p-mentha-1,8-diene
3,7-Dimethyl-1,6-octadien-3-yl acetate
3,7-Dimethylocta-2,6-dien-1-ol
3,7-Dimethyl-1,6-octadien-3-ol
2-Methyl-3-(p-methoxyphenyl)propanal
Nerol
1-(2,6,6-Trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one
dl-Citronellol

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◦ *Hazard statements*
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
◦ *Precautionary statements*

P261	*Avoid breathing dust/fume/gas/mist/vapours/spray.*
P273	*Avoid release to the environment.*
P280	*Wear protective gloves / eye protection / face protection.*
P305+P351+P338	*IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*
P333+P313	*If skin irritation or rash occurs: Get medical advice/attention.*
P501	*Dispose of contents/container in accordance with local/regional/national/international regulations.*

◦ *Directive 2012/18/EU*
◦ *Named dangerous substances - ANNEX I None of the ingredients is listed.*
◦ *Seveso category E2 Hazardous to the Aquatic Environment*
◦ *Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t*
◦ *Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t*
◦ *REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3*
◦ *DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II*

None of the ingredients is listed.
◦ *REGULATION (EU) 2019/1148*
◦ *Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))*

None of the ingredients is listed.
◦ *Annex II - REPORTABLE EXPLOSIVES PRECURSORS*

None of the ingredients is listed.
◦ *Regulation (EC) No 273/2004 on drug precursors*

None of the ingredients is listed.
◦ *Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors*

None of the ingredients is listed.
◦ ***15.2 Chemical safety assessment:*** *A Chemical Safety Assessment has not been carried out.*

. SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

◦ *Relevant phrases*
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
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.

◦ *Department issuing SDS: Regulatory Affairs*
◦ *Contact: Dr. Maja Zippel*
◦ *Version number of previous version: 3*

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◇ *Abbreviations and acronyms:*
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
ATE: Acute toxicity estimate values
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1A: Skin sensitisation – Category 1A
Skin Sens. 1B: Skin sensitisation – Category 1B
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3