

Printing date 17.01.2024 Version number 1.3 (replaces version 1.2) Revision: 17.01.2024

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

#### 1.1 Product identifier

Trade name: Swiss stone pine oil

**Pinus Cembra** 

**CAS Number:** 92202-04-5

Alternative CAS number: 8000-26-8

EC number: 296-036-1

Registration number 01-2120110812-70-0002

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

#### Application of the substance / the mixture

Flavouring agents

Fragrance

#### 1.3 Details of the supplier of the safety data sheet

#### Manufacturer/Supplier:

#### **THALER GEORG & CO KG**

Unterreinswald 10 I-39058 SARNTAL T: +39 0471 62 51 06

F: +39 0471 62 51 06

Further information obtainable from: Email: info@latschenkieferoel.com

## 1.4 Emergency telephone number:

+39 0471 62 51 06

Available during normal office hours.

#### Please call your national emergency number!

## **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 3 H226 Flammable liquid and vapour.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1B H317 May cause an allergic skin reaction.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways. Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

**Additional information:** For the wording of the hazard categories, see section 16.

#### 2.2 Label elements

### Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the CLP regulation.

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### **Hazard pictograms**



### Signal word Danger

## Hazard-determining components of labelling:

Pine, Pinus cembra, ext. (swiss stone pine oil)

#### **Hazard statements**

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

#### **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P370+P378 In case of fire: Use CO2, sand, extinguishing powder to extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.

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

regulations.

## Labelling of packages where the contents do not exceed 125 ml Hazard pictograms



## Signal word Danger

### Hazard-determining components of labelling:

Pine, Pinus cembra, ext. (swiss stone pine oil)

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#### **Hazard statements**

H317 May cause an allergic skin reaction.

H304 May be fatal if swallowed and enters airways.

### **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P280 Wear protective gloves.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

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

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

regulations.

#### 2.3 Other hazards

#### Results of PBT and vPvB assessment

**PBT:** No data available. **vPvB:** No data available.

## **Determination of endocrine-disrupting properties**

The product does not contain substances with endocrine-disrupting properties ≥ 0.1 %(w/w).

## **SECTION 3: Composition/information on ingredients**

#### 3.1 Substances

#### CAS No. Description

92202-04-5 Pine, Pinus cembra, ext. (swiss stone pine oil)

## Identification number(s) EC number: 296-036-1

Additional information: UVCB substance (substance with unknown or variable composition)

### **Dangerous components:**

For the wording of the listed hazard phrases refer to section 16.

[% (w/w)]

CAS: 80-56-8 EINECS: 201-291-9	alpha-Pinene	20 – 50%
	<ul><li>Flam. Liq. 3, H226</li><li>Asp. Tox. 1, H304</li></ul>	
	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
	Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 13466-78-9 EINECS: 236-719-3	delta-3-Carene	1 – 25%
	♠ Flam. Liq. 3, H226	
	🕉 Asp. Tox. 1, H304	
	Skin Irrit. 2, H315; Skin Sens. 1, H317	
	Aquatic Chronic 3, H412	
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(Contd. of page 3) beta-Phellandrene CAS: 555-10-2 8 - 19%EINECS: 209-081-9 Flam. Liq. 3, H226 🔈 Asp. Tox. 1, H304 CAS: 127-91-3 beta-Pinene 2 - 18%EINECS: 204-872-5 🚯 Flam. Liq. 3, H226 Asp. Tox. 1, H304 🔖 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Skin Irrit. 2, H315; Skin Sens. 1, H317 CAS: 7705-14-8 (+-)-1-methyl-4-(1-methylvinyl)cyclohexene 6 - 16%EINECS: 231-732-0 Flam. Liq. 3, H226 Index number: 601-029-00-7 Asp. Tox. 1, H304 🚵 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Skin Irrit. 2, H315; Skin Sens. 1, H317 CAS: 123-35-3 Myrcene 1 – 15% EINECS: 204-622-5 🚱 Flam. Lig. 3, H226 RTECS: RG 5365000 🔈 Asp. Tox. 1, H304 🔖 Aquatic Acute 1, H400; Aquatic Chronic 2, H411 Skin Irrit. 2, H315; Eye Irrit. 2, H319 CAS: 79-92-5 < 3.0% camphene EINECS: 201-234-8 🚯 Flam. Sol. 2, H228 🛕 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 RTECS: EX 1055000 Eye Irrit. 2, H319

#### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

#### General information:

In case of discomfort or doubt, seek medical advice.

If unconscious, use a stable lateral position and do not administer anything through mouth.

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.

Take off contaminated clothing and wash it before reuse.

Seek medical treatment in case of complaints.

#### After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

#### After swallowing:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Immediately call a POISON CENTER/doctor.

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

May be fatal if swallowed and enters airways.

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### 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 5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

COx

Burning produces heavy smoke.

#### 5.3 Advice for firefighters

## **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

#### Additional information

Cool endangered receptacles with water spray.

Do not inhale explosion gases or combustion gases.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

## SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Restricted access to the affected area until cleaning work is completed.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Avoid contact with skin and eyes.

Do not breathe vapour/spray.

Keep away from ignition sources.

Particular danger of slipping on leaked/spilled product.

### 6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

#### 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding, inert material (sand, diatomite, acid binders, universal binders).

Clean again.

Dispose contaminated material as waste according to section 13.

#### 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.

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### **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Avoid contact with skin and eyes.

Avoid breathing mist/vapours/spray.

Use personal protective equipment as required.

Observe protective measures and safety instructions.

#### Information about fire - and explosion protection:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Protect against electrostatic charges.

## 7.2 Conditions for safe storage, including any incompatibilities

#### Storage:

#### Requirements to be met by storerooms and receptacles:

Store in a dry, cool, well-ventilated area.

Store in accordance with local/regional/national/international regulations.

Information about storage in one common storage facility: Store away from oxidising agents.

#### Further information about storage conditions:

Keep container tightly sealed.

Protect from heat and direct sunlight.

Protect from exposure to the light.

Recommended storage temperature: ≤ 25 °C

Storage class: 3

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:

Observe the member state specific regulations!

CAS: 80-56-	CAS: 80-56-8 alpha-Pinene		
LEP (Spain)	Long-term value: 113 mg/m³, 20 ppm Sen		
TWA (Italy)	Long-term value: 111 mg/m³, 20 ppm sen, A4		
CAS: 13466-78-9 delta-3-Carene			
LEP (Spain)	Long-term value: 113 mg/m³, 20 ppm Sen		
CAS: 127-91	CAS: 127-91-3 beta-Pinene		
LEP (Spain)	Long-term value: 113 mg/m³, 20 ppm Sen		
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TWA (Italy) Long-term value: 111 mg/m³, 20 ppm

sen, A4

#### Regulatory information

LEP (Spain): Límites de exposición profesional para agentes químicos

TWA (Italy): Valori Limite di Soglia

**DNELs** No data available. **PNECs** No data available.

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:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Do not eat, drink, smoke or sniff while working.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Immediately remove all soiled and contaminated clothing.

Store protective clothing separately.

Avoid breathing mist/vapours/spray.

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

Eye wash bottles and emergency showers should be provided in the immediate area near the workplace.

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 mixture.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

## Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

#### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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### Eye/face protection



Tightly sealed goggles

**Body protection:** Protective work clothing **Environmental exposure controls** 

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

### **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

**General Information** 

Physical state Fluid

Colour: colourless to slightly yellow

Odour: swiss stone pine

Odour threshold: No information available.

Melting point/freezing point: Undetermined.

Boiling point or initial boiling point and boiling

range Undetermined.

**Flammability** Flammable liquid and vapour.

Lower and upper explosion limit

Lower:No information available.Upper:No information available.Flash point:39.4 °C (FD ISO/TR 11018)Decomposition temperature:No information available.

**pH** Not determined.

Viscosity:

**Kinematic viscosity**No information available. **Dynamic:**No information available.

**Solubility** 

water: Not miscible or difficult to mix.

Partition coefficient n-octanol/water (log value) Not determined. Vapour pressure: Not determined.

Density and/or relative density

Density at 20 °C: 0.863 g/cm<sup>3</sup>

Vapour density No information available.

9.2 Other information

Appearance:

Form: Fluid

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Important information on protection of health

and environment, and on safety.

**Ignition temperature:** No information available.

Explosive properties: Product is not explosive. However, formation of

explosive air/vapour mixtures are possible.

Change in condition

Softening point/range

Oxidising properties No information available.

**Evaporation rate** Not determined.

Information with regard to physical hazard

classes

ExplosivesvoidFlammable gasesvoidAerosolsvoidOxidising gasesvoidGases under pressurevoid

Flammable liquids Flammable liquid and vapour.

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 hazardous reactions known if stored and used as prescribed.
- 10.2 Chemical stability No decomposition if used and stored according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

- 10.5 Incompatible materials: oxidizing agent
- 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.

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#### LD/LC50 values relevant for classification:

CAS: 92202-04-5 Pine, Pinus cembra, ext. (swiss stone pine oil)

Oral LD50 > 5,000 mg/kg (rat)

#### 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.

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**

May be fatal if swallowed and enters airways.

#### 11.2 Information on other hazards

#### **Endocrine disrupting properties**

None of the ingredients is listed.

## **SECTION 12: Ecological information**

#### 12.1 Toxicity

#### Aquatic toxicity:

The product is a Natural Complex Substance (UVCB) with a well-defined composition for which the relative percentage and its reported variation of each constituent is known.

Therefore, it has been decided that the ecotoxicity of Pine dwarf oil will be derived from knowledge of the constituents.

Using these worst case composition ecotoxicity results are as follow:

#### CAS: 92202-04-5 Pine, Pinus cembra, ext. (swiss stone pine oil)

LL50 (96 h) 4 mg/l (fish)

EL50 (48 h) 2.4 mg/l (daphnia)

ErL50 (72 h) 4.1 mg/l (algae)

#### 12.2 Persistence and degradability Easily biodegradable

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: No data available.

vPvB: No data available.

## 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

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#### 12.7 Other adverse effects

Remark: Toxic for fish

Additional ecological information:

**General notes:** 

Toxic to aquatic life with long lasting effects.

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

#### **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.

Only dispose of product residues via authorised companies according to local legislation.

## European waste catalogue

Notes: The European Waste Catalogue (EWC) classifies waste materials and categorises them according to what they are and how they were produced. This may cause other classifications. The final decision belongs to the last user.

16 03 05*	organic wastes containing hazardous substances
HP3	Flammable
HP4	Irritant - skin irritation and eye damage
HP6	Acute Toxicity
HP13	Sensitising
HP14	Ecotoxic

## Uncleaned packaging:

#### Recommendation:

Dispose of packaging according to regulations on the disposal of packagings.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

#### **SECTION 14: Transport information**

14.1 UN number or ID number ADR/RID/ADN, IMDG, IATA

14.2 UN proper shipping name

ADR/RID/ADN

1272 PINE OIL, ENVIRONMENTALLY HAZARDOUS

UN1272

**IMDG** PINE OIL, MARINE POLLUTANT

PINE OIL **IATA** 

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## 14.3 Transport hazard class(es)

## ADR/RID/ADN, IMDG



Class 3 Flammable liquids.

Label 3

#### **IATA**



Class 3 Flammable liquids.

Label 3

14.4 Packing group

ADR/RID/ADN, IMDG, IATA III

14.5 Environmental hazards: Product contains environmentally hazardous

substances: Pine, Pinus cembra, ext. (swiss stone

pine oil)

Marine pollutant:Symbol (fish and tree)Special marking (ADR/RID/ADN):Symbol (fish and tree)14.6 Special precautions for userWarning: Flammable liquids.

Hazard identification number (Kemler code): 30

EMS Number: F-E,S-E

Stowage Category A

14.7 Maritime transport in bulk according to IMO

**instruments** Not applicable.

#### Transport/Additional information:

ADR/RID/ADN

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 D/E

**IMDG** 

Limited quantities (LQ) 5L

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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 1272 PINE OIL, 3, III, ENVIRONMENTALLY

**HAZARDOUS** 

#### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 2012/18/EU

Named dangerous substances - ANNEX I Substance is not listed.

Seveso category

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

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.

## National regulations:

**Information about limitation of use:** Employment restrictions concerning juveniles must be observed. **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.

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H228 Flammable solid.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

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.

#### **Training hints**

Before handling, storage or use for the first time, employees must be informed about the properties of the substance and about measures taken to ensure safety and environmental protection.

Regular training of staff involved in the transport of dangerous goods (in accordance with Chapter 1.3 ADR).

Date of previous version: 20.04.2021 Version number of previous version: 1.2

#### 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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids - Category 3

Flam. Sol. 2: Flammable solids - Category 2

Acute Tox. 4: Acute toxicity - Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation - Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

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

\* Data compared to the previous version altered.