

**SECTION1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product code : LABDANUM

UFI: 7VFO-H0NY-400D-3NWD

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

Essence for the fragrance of the environment.

Sectors of use:

Private households (= general public = consumers)[SU21]

Uses advised against

Do not use for purposes other than those listed

**1.3. Details of the supplier of the safety data sheet**

Cavoretto Snc di Cavoretto Lorenzo & C.

Via S. Giovanni Bosco 22

10073 Ciriè (TO)

tel. +39.(0).11.920.31.72 (from 08:30 to 12:30 and from 15:30 to 19:30 from Monday to Friday)

mail@cavoretto.net - www.cavoretto.net

Competent person responsible for SDS: mail@cavoretto.net

**1.4. Emergency telephone number**

Cavoretto Snc di Cavoretto Lorenzo & C.

tel. +39.(0).11.920.31.72 (from 08:30 to 12:30 and from 15:30 to 19:30 from Monday to Friday)

**SECTION2. Hazards identification****2.1. Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:

GHS07, GHS09

Hazard Class and Category Code(s):

Skin Irrit. 2, Skin Sens. 1B, Eye Irrit. 2, Aquatic Chronic 1

Hazard statement Code(s):

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H410 - Very toxic to aquatic life with long lasting effects. (Acute toxicity M-factor = 1)

If brought into contact with eyes, the product causes significant irritations which may last for more than 24 hours, if brought into contact with skin, it causes significant inflammation with erythema, scabs, or edema

The product, if brought into contact with skin can cause skin sensitization.

The product is dangerous to the environment as it is very toxic to aquatic life with long lasting effects

## 2.2. Label elements

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

Pictogram, Signal Word Code(s):  
GHS07, GHS09 - Warning



Hazard statement Code(s):  
H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H410 - Very toxic to aquatic life with long lasting effects. (Acute toxicity M-factor = 1)

Supplemental Hazard statement Code(s):  
not applicable

Precautionary statements:

General

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

P102 - Keep out of reach of children.

Prevention

P273 - Avoid release to the environment.

Response

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

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

Disposal

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

Contains:

Linalool, p-tert-Butylcyclohexil acetate,

[3R-(3 $\alpha$ ,3 $\alpha\beta$ ,6 $\beta$ ,7 $\beta$ ,8 $\alpha\alpha$ )]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene, 1-(1,2,3,4,5,6,7

,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, Acetyl cedrene, 3,7-dimethylnona-1,6-dien-3-ol,

Dihydropentamethyl indanone, Linalyl acetate, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one

UFI: 7VF0-H0NY-400D-3NWD

## 2.3. Other hazards

Based on the available data, no PBT or vPvB substances are present in accordance with Regulation (EC) 1907/2006, annex XIII

No information on other hazards

## SECTION 3. Composition/information on ingredients

### 3.1 Substances

Irrilevant

### 3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

| Substance   | % (w/w)           | Classification   | ID   |
|---|-------------------|--|--|
| Dipropylenglycol monomethyl ether substance for which there are Community workplace exposure limits | >= 18,50 < 21,30% | ATE oral = 5.130,0 mg/kg<br>ATE dermal = 9.510,0 mg/kg   | INDEX -<br>CAS 34590-94-8<br>CE 252-104-2<br>REACH 01-2119450011-60-XXXX             |
| Linalool  | >= 7,18 < 7,98%   | Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Irrit. 2, H319<br>ATE oral = 2.790,0 mg/kg<br>ATE dermal = 5.160,0 mg/kg   | INDEX ND<br>CAS 78-70-6<br>CE 201-134-4<br>REACH 01-2119474016-42-XXXX               |
| p-tert-Butylcyclohexil acetate  | >= 7,15 < 7,95%   | Skin Sens. 1B, H317<br>ATE oral = 3.886,0 mg/kg<br>ATE dermal = 4.681,0 mg/kg  | INDEX ND<br>CAS 32210-23-4<br>CE 250-954-9<br>REACH 01-2119976286-24-XXXX            |
| 2-BUTANOL,2-t-BUTYLCYCLOHEXYL OXY   | >= 6,59 < 7,39%   | Aquatic Chronic 2, H411<br>Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1   | INDEX 603-154-00-2<br>CAS 139504-68-0<br>CE 412-300-2<br>REACH 01-0000015959-52-XXXX |
| 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexa methylindeno[5,6-c]pyran                                     | >= 4,61 < 5,41%   | Aquatic Acute 1, H400; Aquatic Chronic 1, H410<br>Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1<br>ATE oral > 4.640,0 mg/kg<br>ATE dermal > 6.500,0 mg/kg                    | INDEX 603-212-00-7<br>CAS 1222-05-5<br>CE 214-946-9<br>REACH 01-2119488227-29-XXXX   |
| Acetyl cedrene  | >= 2,62 < 3,42%   | Skin Sens. 1B, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410<br>Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1   | INDEX ND<br>CAS 32388-55-9<br>CE 251-020-3<br>REACH 01-2119969651-28-XXXX            |
| octahydro tetramethyl acetonaphtone   | >= 2,62 < 3,42%   | Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 1, H410<br>Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1<br>ATE oral > 5.000,0 mg/kg<br>ATE dermal > 5.000,0 mg/kg | INDEX ND<br>CAS 54464-57-2<br>CE 259-174-3<br>REACH 01-2119489989-04-XXXX            |
| [3R-(3α,3aβ,6β,7β,8αα)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene              | >= 2,61 < 3,41%   | Skin Sens. 1B, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410<br>Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1   | INDEX ND<br>CAS 67874-81-1<br>CE 267-510-5<br>REACH 01-2120228335-61-XXXX            |
| 3,7-dimethylnona-1,6-dien-3-ol  | >= 2,59 < 3,39%   | Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Irrit. 2, H319<br>ATE oral = 5.000,0 mg/kg<br>ATE dermal > 5.000,0 mg/kg   | INDEX ND<br>CAS 10339-55-6<br>CE 233-732-6<br>REACH 01-2119969272-32-XXXX            |
| Dihydropentamethyl indanone   | >= 2,58 < 3,38%   | Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Irrit. 2, H319; Aquatic Chronic 2, H411<br>Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1<br>ATE oral = 2.900,0 mg/kg           | INDEX ND<br>CAS 33704-61-9<br>CE 251-649-3<br>REACH 01-2119977131-40-XXXX            |
| Cedrol  | >= 2,09 < 2,89%   | Aquatic Chronic 2, H411<br>Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1   | INDEX ND<br>CAS 77-53-2<br>CE 201-035-6<br>REACH ND                                  |
| [1aS-(1α,4aβ,8aR*)]-1,1a,4,4a,5,6,7,8-octahydro-2,4a,8,8-tetramethylcyclopropano[d]naphthalene      | >= 2,08 < 2,88%   | Asp. Tox. 1, H304  | INDEX ND<br>CAS 470-40-6<br>CE 207-426-8<br>REACH ND                                 |
| LIMONENE<br>Note: C   | >= 1,47 < 2,27%   | Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410<br>ATE oral = 4.400,0 mg/kg  | INDEX 601-029-00-7<br>CAS 5989-27-5<br>CE 227-813-5<br>REACH 01-2119529223-47-XXXX   |
| Linalyl acetate   | >= 1,47 < 2,27%   | Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Irrit. 2, H319<br>ATE oral = 13.934,0 mg/kg<br>ATE dermal > 5.000,0 mg/kg  | INDEX ND<br>CAS 115-95-7<br>CE 204-116-4<br>REACH 01-2119454789-19-XXXX              |
|   |                   |  | INDEX  |

| Substance   | % (w/w)         | Classification   | ID   |
|---|-----------------|--|--|
| 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one  | >= 1,47 < 2,27% | Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 1, H410<br>Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1  | CAS ND<br>CE 68155-67-9<br>REACH 268-979-9<br>ND                                     |
| 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one   | >= 1,46 < 2,26% | Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 1, H410<br>Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1<br>ATE oral > 5.000,0 mg/kg<br>ATE dermal > 5.000,0 mg/kg   | INDEX ND<br>CAS 68155-66-8<br>CE 268-978-3<br>REACH ND                               |
| (+/-)<br>trans-3,3-dimethyl-5-(2,2,3-trimethyl-cyclopent-3-en-1-yl)pent-4-en-2-ol<br>Note: B                          | >= 0,85 < 1,00% | Skin Irrit. 2, H315; Aquatic Acute 1, H400; Aquatic Chronic 1, H410<br>Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1<br>ATE oral = 5.000,0 mg/kg<br>ATE dermal = 2.000,0 mg/kg | INDEX 603-150-00-0<br>CAS 107898-54-4<br>CE 411-580-3<br>REACH 01-0000015895-58-XXXX |
| Alpha isomethyl ionone  | >= 0,36 < 0,64% | Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319; Aquatic Chronic 2, H411<br>Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1  | INDEX ND<br>CAS 127-51-5<br>CE 204-846-3<br>REACH 01-2119471851-35-XXXX              |
| 1h-3a,7-Methanoazulene,<br>Octahydro-3,8,8-Trimethyl-6-Methylen<br>e-,<br>[3r-(3.alpha.,3a.beta.,7.beta.,8a.alpha.)]- | >= 0,35 < 0,63% | Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410<br>Acute toxicity M-factor = 10 Chronic toxicity M-factor = 10   | INDEX ND<br>CAS 546-28-1<br>CE 208-898-8<br>REACH ND                                 |
| Alpha Cedrene   | >= 0,34 < 0,62% | Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410<br>Acute toxicity M-factor = 10 Chronic toxicity M-factor = 10   | INDEX ND<br>CAS 469-61-4<br>CE 207-418-4<br>REACH ND                                 |
| ottaidro-7-metile-1,4-metanonaftalen-6<br>(2H)-one  | >= 0,10 < 0,39% | Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1B, H317; Aquatic Chronic 3, H412<br>Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1  | INDEX ND<br>CAS 41724-19-0<br>CE 255-517-6<br>REACH 01-2120084676-43-XXXX            |
| Essential oil of Canarium commune   | >= 0,10 < 0,39% | Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 2, H411<br>Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1                      | INDEX ND<br>CAS 97675-63-3<br>CE 945-898-3<br>REACH 01-2120735788-38-XXXX            |
| Hexyl Cinnamic Aldehyde   | >= 0,10 < 0,39% | Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 2, H411<br>Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1<br>ATE oral = 3.100,0 mg/kg                                | INDEX ND<br>CAS 165184-98-5<br>CE 639-566-4<br>REACH 01-2119533092-50-XXXX           |
| Hexyl cinnamal  | >= 0,10 < 0,34% | Skin Sens. 1B, H317; Aquatic Acute 1, H400; Aquatic Chronic 2, H411<br>Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1<br>ATE oral = 3.100,0 mg/kg                               | INDEX ND<br>CAS 101-86-0<br>CE 202-983-3<br>REACH ND                                 |
| Coumarin  | >= 0,10 < 0,29% | Acute Tox. 4, H302; Skin Sens. 1, H317; Aquatic Chronic 3, H412<br>Chronic toxicity M-factor = 1<br>ATE oral = 293,0 mg/kg   | INDEX ND<br>CAS 91-64-5<br>CE 202-086-7<br>REACH 01-2119943756-26-XXXX               |
| Eugenol   | >= 0,10 < 0,29% | Skin Sens. 1B, H317; Eye Irrit. 2, H319<br>ATE inhal > 2,6mg/l/4 h   | INDEX ND<br>CAS 97-53-0<br>CE 202-589-1<br>REACH 01-2119971802-33-XXXX               |
| 2,6-di-tert-butyl-p-cresol  | >= 0,10 < 0,29% | Aquatic Acute 1, H400; Aquatic Chronic 1, H410<br>Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1  | INDEX -<br>CAS 128-37-0<br>CE 204-881-4<br>REACH 01-2119565113-46-XXXX               |

#### 4.1. Description of first aid measures

##### Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

##### Direct contact with skin (of the pure product):

Take contaminated clothing Immediately off.

Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.

In case of contact with skin, wash immediately with water.

##### Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately

##### Ingestion:

Rinse mouth with water of the subject. Consult a physician.

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

No data available.

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

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

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

## SECTION5. Firefighting measures

#### 5.1. Extinguishing media

##### Advised extinguishing agents:

Water spray, CO2, foam, dry chemical, depending on the materials involved in the fire.

##### Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

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

No data available.

#### 5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

## SECTION6. Accidental release measures

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

6.1.1 For non-emergency personnel:

Wear gloves and protective clothing

6.1.2 For emergency responders:

Wear gloves and protective clothing

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

### 6.2. Environmental precautions

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the the authorities.

Discharge the remains in compliance with the regulations

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

6.3.1 For containment:

Rapidly recover the product, wear a mask and protective clothing

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.

Prevent it from entering the sewer system.

6.3.2 For cleaning up:

After wiping up, wash the area and materials involved

6.3.3 Other information:

None in particular.

### 6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

## SECTION 7. Handling and storage

### 7.1. Precautions for safe handling

Avoid contact and inhalation of vapors

At work do not eat or drink.

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

Wear protective gloves/protective clothing/eye protection/face protection.

See also paragraph 8 below.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.

Keep containers upright and safe by avoiding the possibility of falls or collisions.

Store in a cool place, away from sources of heat and direct exposure of sunlight.

### 7.3. Specific end use(s)

Private households (= general public = consumers):

Handle in a well ventilated area.

## SECTION 8. Exposure controls/personal protection

### 8.1. Control parameters

Related to contained substances:

Dipropylenglycol monomethyl ether:

GESTIS International Limit Values (<https://limitvalue.ifa.dguv.de/>)

Australia : TLV-TWA= 50 ppm , 308 mg/m<sup>3</sup>

Austria : TLV-TWA= 50 ppm , 307 mg/m<sup>3</sup> - TLV-STEL= 100 ppm , 614 mg/m<sup>3</sup>

Belgium : TLV-TWA= 50 (1) ppm , 308 (1) mg/m<sup>3</sup>

Canada - Ontario : TLV-TWA= 100 ppm - TLV-STEL= 150 ppm

Canada - Québec : TLV-TWA= 100 (1) ppm , 606 (1) mg/m<sup>3</sup> - TLV-STEL= 150 (1)(2) ppm , 909 (1)(2) mg/m<sup>3</sup>

Denmark : TLV-TWA= 50 (1) ppm , 309 (1) mg/m<sup>3</sup> - TLV-STEL= 100 (1)(2) ppm , 618 (1)(2) mg/m<sup>3</sup>

European Union : TLV-TWA= 50 ppm , 308 mg/m<sup>3</sup>

Finland : TLV-TWA= 50 ppm , 310 mg/m<sup>3</sup> -

France : TLV-TWA= 50 ppm , 308 mg/m<sup>3</sup>

Germany (AGS) : TLV-TWA= 50 (1) ppm , 310 (1) mg/m<sup>3</sup> - TLV-STEL= 50 (1)(2) ppm , 310 (1)(2) mg/m<sup>3</sup>

Germany (DFG) : TLV-TWA= 50 (1) ppm , 310 (1) mg/m<sup>3</sup> - TLV-STEL= 50 (1)(2) ppm , 310 (1)(2) mg/m<sup>3</sup>

Hungary : TLV-TWA= 308 mg/m<sup>3</sup> - TLV-STEL= 308 mg/m<sup>3</sup>

Ireland : TLV-TWA= 50 ppm , 308 mg/m<sup>3</sup>

Israel : TLV-TWA= 100 ppm , 606 mg/m<sup>3</sup> - TLV-STEL= 150 ppm , 909 mg/m<sup>3</sup>

Italy : TLV-TWA= 50 ppm , 308 mg/m<sup>3</sup>

Latvia : TLV-TWA= 50 ppm , 308 mg/m<sup>3</sup> -

New Zealand : TLV-TWA= 100 ppm , 606 mg/m<sup>3</sup> - TLV-STEL= 150 ppm , 909 mg/m<sup>3</sup>

People's Republic of China : TLV-TWA= ppm , 600 mg/m<sup>3</sup> - TLV-STEL= ppm , 900 (1) mg/m<sup>3</sup>

Poland : TLV-TWA= 240 mg/m<sup>3</sup> - TLV-STEL= 280 mg/m<sup>3</sup>

Romania : TLV-TWA= 50 ppm , 308 mg/m<sup>3</sup>

Singapore : TLV-TWA= 100 ppm , 606 mg/m<sup>3</sup> - TLV-STEL= 150 ppm , 909 mg/m<sup>3</sup>

South Korea : TLV-TWA= 100 ppm , 600 mg/m<sup>3</sup> - TLV-STEL= 150 ppm , 900 mg/m<sup>3</sup>

Spain : TLV-TWA= 50 ppm , 308 mg/m<sup>3</sup>

Sweden : TLV-TWA= 50 ppm , 300 mg/m<sup>3</sup> - TLV-STEL= 75 (1) ppm , 450 (1) mg/m<sup>3</sup>

Switzerland : TLV-TWA= 50 ppm , 300 mg/m<sup>3</sup> - TLV-STEL= 50 ppm , 300 mg/m<sup>3</sup>

The Netherlands : TLV-TWA= 300 mg/m<sup>3</sup>

Turkey : TLV-TWA= 50 ppm , 308 mg/m<sup>3</sup>

USA - NIOSH : TLV-TWA= 100 ppm , 600 mg/m<sup>3</sup> - TLV-STEL= 150 (1) ppm , 900 (1) mg/m<sup>3</sup>

USA - OSHA : TLV-TWA= 100 ppm , 600 mg/m<sup>3</sup>

United Kingdom : TLV-TWA= 50 ppm , 308 mg/m<sup>3</sup>

Belgium: (1) Additional indication "D" means that the absorption of the agent through the skin, mucous membranes or eyes is an important part of the total exposure. It can be the result of both direct contact and its presence in the air.

Canada – Québec: (1) Skin (2) 15 minutes average value

Denmark: (1) Skin (2) 15 minutes average value

European Union: Bold-type: Indicative Occupational Exposure Limit Value (IOELV) ~ (for references see bibliography)

France: Bold type: Restrictive statutory limit values Skin

Germany (AGS): (1) Inhalable aerosol and vapour (2) 15 minutes reference period

Germany (DFG): (1) Inhalable fraction and vapour (2) 15 minutes average value

Italy: skin

People's Republic of China: (1) 15 minutes average value

Spain: skin

Sweden: (1) 15 minutes average value

USA – NIOSH: (1) 15 minutes average value

#### LIMONENE:

MAK: 20 110 mg/m ppm skin sensitization (Sh); Peak limitation category: II (2); Risk group for pregnancy: C; (DFG 2005).

2,6-di-tert-butyl-p-cresol:

TLV-TWA=2mg/mL (ACGIH), A4, URT irr

- Substance: Dipropylenglycol monomethyl ether  
DNEL

Systemic effects Long term Workers inhalation = 308 (mg/m<sup>3</sup>)  
Systemic effects Long term Workers dermal = 283 (mg/kg bw/day)  
Systemic effects Long term Consumers inhalation = 37,2 (mg/m<sup>3</sup>)  
Systemic effects Long term Consumers dermal = 121 (mg/kg bw/day)  
Systemic effects Long term Consumers oral = 36 (mg/kg bw/day)

## PNEC

Sweet water = 19 (mg/l)  
sediment Sweet water = 70,2 (mg/kg/sediment)  
Sea water = 1,9 (mg/l)  
sediment Sea water = 7,02 (mg/kg/sediment)  
intermittent emissions = 190 (mg/l)  
STP = 4168 (mg/l)  
ground = 4,59 (mg/kg ground)

- Substance: Linalool

## DNEL

Systemic effects Long term Workers inhalation = 3,5 (mg/m<sup>3</sup>)  
Systemic effects Long term Workers dermal = 24,58 (mg/kg bw/day)  
Systemic effects Long term Consumers inhalation = 4,33 (mg/m<sup>3</sup>)  
Systemic effects Long term Consumers dermal = 1,25 (mg/kg bw/day)  
Systemic effects Long term Consumers oral = 2,49 (mg/kg bw/day)

## PNEC

Sweet water = 0,2 (mg/l)  
sediment Sweet water = 2,22 (mg/kg/sediment)  
Sea water = 0,02 (mg/l)  
sediment Sea water = 0,22 (mg/kg/sediment)  
intermittent emissions = 2 (mg/l)  
STP = 10 (mg/l)  
ground = 0,327 (mg/kg ground)

- Substance: p-tert-Butylcyclohexil acetate

## PNEC

Sweet water = 0,0053 (mg/l)  
sediment Sweet water = 2,1 (mg/kg/sediment)  
Sea water = 0,00053 (mg/l)  
sediment Sea water = 0,21 (mg/kg/sediment)  
STP = 12,2 (mg/l)  
ground = 0,42 (mg/kg ground)

- Substance: Dihydropentamethyl indanone

## DNEL

Systemic effects Long term Workers inhalation = 1,47 (mg/m<sup>3</sup>)  
Systemic effects Long term Workers dermal = 0,42 (mg/kg bw/day)  
Systemic effects Long term Consumers inhalation = 0,44 (mg/m<sup>3</sup>)  
Systemic effects Long term Consumers dermal = 0,25 (mg/kg bw/day)  
Systemic effects Long term Consumers oral = 0,25 (mg/kg bw/day)

## PNEC

Sweet water = 0,004 (mg/l)  
sediment Sweet water = 0,0991 (mg/kg/sediment)  
sediment Sea water = 0,00991 (mg/kg/sediment)  
STP = 10 (mg/l)  
ground = 0,0174 (mg/kg ground)

- Substance: Linalyl acetate



**DNEL**

Systemic effects Long term Workers inhalation = 2,75 (mg/m<sup>3</sup>)  
Systemic effects Long term Workers dermal = 2,5 (mg/kg bw/day)  
Systemic effects Long term Consumers inhalation = 0,68 (mg/m<sup>3</sup>)  
Systemic effects Long term Consumers dermal = 1,25 (mg/kg bw/day)  
Systemic effects Long term Consumers oral = 0,2 (mg/kg bw/day)

**PNEC**

Sweet water = 0,011 (mg/l)  
sediment Sweet water = 0,609 (mg/kg/sediment)  
Sea water = 0,001 (mg/l)  
sediment Sea water = 0,061 (mg/kg/sediment)  
intermittent emissions = 0,11 (mg/l)  
STP = 1 (mg/l)  
ground = 0,0115 (mg/kg ground)

- Substance: 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one

**DNEL**

Systemic effects Short term Workers inhalation = 1,76 (mg/m<sup>3</sup>)  
Systemic effects Short term Workers dermal = 1,73 (mg/kg bw/day)  
Local effects Short term Workers dermal = 0,1011 (mg/kg bw/day)

**PNEC**

Sweet water = 0,0028 (mg/l)  
sediment Sweet water = 3,73 (mg/kg/sediment)  
Sea water = 0,00028 (mg/l)  
sediment Sea water = 0,75 (mg/kg/sediment)  
ground = 0,705 (mg/kg ground)

- Substance: (+/-) trans-3,3-dimethyl-5-(2,2,3-trimethyl-cyclopent-3-en-1-yl)pent-4-en-2-ol

**PNEC**

Sweet water = 0,0012 (mg/l)  
sediment Sweet water = 0,246 (mg/kg/sediment)  
Sea water = 0,00012 (mg/l)  
sediment Sea water = 0,025 (mg/kg/sediment)  
intermittent emissions = 0,012 (mg/l)  
STP = 0,1 (mg/l)  
ground = 0,048 (mg/kg ground)

- Substance: Alpha isomethyl ionone

**DNEL**

Systemic effects Long term Workers inhalation = 29,4 (mg/m<sup>3</sup>)  
Systemic effects Long term Workers dermal = 8,33 (mg/kg bw/day)  
Systemic effects Long term Consumers inhalation = 8,7 (mg/m<sup>3</sup>)  
Systemic effects Long term Consumers dermal = 5 (mg/kg bw/day)  
Systemic effects Long term Consumers oral = 2,5 (mg/kg bw/day)

**PNEC**

Sweet water = 0,000002 (mg/l)  
sediment Sweet water = 0,246 (mg/kg/sediment)  
Sea water = 0,000002 (mg/l)  
sediment Sea water = 0,0246 (mg/kg/sediment)  
STP = 10 (mg/l)  
ground = 0,0477 (mg/kg ground)

## 8.2. Exposure controls

Appropriate engineering controls:  
 Private households (= general public = consumers):  
 Observe usual safety precautions in the handling of chemicals.

Individual protection measures:

a) Eye / face protection  
 Not needed for normal use.

b) Skin protection

i) Hand protection  
 Not needed for normal use.

ii) Other  
 Wear normal work clothing.

c) Respiratory protection  
 Not needed for normal use.

d) Thermal hazards  
 No hazard to report

Environmental exposure controls:  
 Use according to good working practices to avoid pollution into the environment.

## SECTION9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| Physical and chemical properties                         | Value                                | Determination method |
|--|--------------------------------------|----------------------|
| Physical state   | Liquid                               |                      |
| Colour   | Colorless                            |                      |
| Odour  | Characteristic                       |                      |
| Odour threshold  | Undefined                            |                      |
| Melting point/freezing point                             | Undefined                            |                      |
| Boiling point or initial boiling point and boiling range | Undefined                            |                      |
| Flammability   | Undefined                            |                      |
| Lower and upper explosion limit                          | Undefined                            |                      |
| Flash point  | >60°C                                |                      |
| Auto-ignition temperature                                | Undefined                            |                      |
| Decomposition temperature                                | Undefined                            |                      |
| pH   | Undefined                            |                      |
| Kinematic viscosity                                      | <= 20,5 mm <sup>2</sup> /sec (40°C)  |                      |
| Solubility   | Fat soluble (ethanol, oils and fats) |                      |
| Water solubility   | Undefined                            |                      |
| Partition coefficient n-octanol/water (log value)        | Undefined                            |                      |

| Physical and chemical properties | Value      | Determination method |
|----------------------------------|------------|----------------------|
| Vapour pressure                  | Undefined  |                      |
| Density and/or relative density  | Undefined  |                      |
| Relative vapour density          | Undefined  |                      |
| Particle characteristics         | Irrelevant |                      |

## 9.2. Other information

### 9.2.1 Information with regard to physical hazard classes

Irrilevant

### 9.2.2 Other safety characteristics

Irrilevant

## SECTION 10. Stability and reactivity

### 10.1. Reactivity

No reactivity hazards

### 10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

### 10.3. Possibility of hazardous reactions

There are no hazardous reactions

### 10.4. Conditions to avoid

Nothing to report

### 10.5. Incompatible materials

Nothing to report.

### 10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

## SECTION 11. Toxicological information

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

ATE(mix) oral = 125.313,3 mg/kg  
ATE(mix) dermal = 441.767,1 mg/kg  
ATE(mix) inhal = ∞

- (a) acute toxicity: based on available data, the classification criteria are not met.
  - (b) skin corrosion/irritation: If brought into contact with the skin, the product causes significant inflammation with erythema, scabs, or edema.
  - (c) serious eye damage/irritation: If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours.
  - (d) respiratory or skin sensitisation: The product, if brought into contact with skin can cause skin sensitization.
  - (e) germ cell mutagenicity: based on available data, the classification criteria are not met.
  - (f) carcinogenicity: based on available data, the classification criteria are not met.
  - (g) reproductive toxicity: based on available data, the classification criteria are not met.
  - (h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.
  - (i) specific target organ toxicity (STOT) repeated exposure: Dipropylene glycol monomethyl ether: .
- LIMONENE: Repeated or prolonged contact may cause skin sensitisation
- (j) aspiration hazard: based on available data, the classification criteria are not met.

Related to contained substances:

Dipropylene glycol monomethyl ether:

LD50 (rat) Oral (mg/kg body weight) = 5130  
LD50 Dermal (rat or rabbit) (mg/kg body weight) = 9510

Linalool:

LD50 (rat) Oral (mg/kg body weight) = 2790  
LD50 Dermal (rat or rabbit) (mg/kg body weight) = 5160

p-tert-Butylcyclohexyl acetate:

LD50 (rat) Oral (mg/kg body weight) = 3886  
LD50 Dermal (rat or rabbit) (mg/kg body weight) = 4681

1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran:

LD50 (rat) Oral (mg/kg body weight) > 4640  
LD50 Dermal (rat or rabbit) (mg/kg body weight) > 6500

octahydro tetramethyl acetone:

LD50 (rat) Oral (mg/kg body weight) > 5000  
LD50 Dermal (rat or rabbit) (mg/kg body weight) > 5000

3,7-dimethylnona-1,6-dien-3-ol:

LD50 (rat) Oral (mg/kg body weight) = 5000  
LD50 Dermal (rat or rabbit) (mg/kg body weight) > 5000

Dihydropentamethyl indanone:

LD50 (rat) Oral (mg/kg body weight) = 2900

LIMONENE:

LD50 (rat) Oral (mg/kg body weight) = 4400

Linalyl acetate:

LD50 (rat) Oral (mg/kg body weight) = 13934  
LD50 Dermal (rat or rabbit) (mg/kg body weight) > 5000

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one:

LD50 (rat) Oral (mg/kg body weight) > 5000  
LD50 Dermal (rat or rabbit) (mg/kg body weight) > 5000

(+/-) trans-3,3-dimethyl-5-(2,2,3-trimethyl-cyclopent-3-en-1-yl)pent-4-en-2-ol:

LD50 (rat) Oral (mg/kg body weight) = 5000

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

Hexyl Cinnamic Aldehyde:

LD50 (rat) Oral (mg/kg body weight) = 3100

Hexyl cinnamal:

LD50 (rat) Oral (mg/kg body weight) = 3100

Coumarin:

LD50 (rat) Oral (mg/kg body weight) = 293

Eugenol:

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) > 2,6

## 11.2. Information on other hazards

No data available.

## SECTION 12. Ecological information

### 12.1. Toxicity

1h-3a,7-Methanoazulene, Octahydro-3,8,8-Trimethyl-6-Methylene-, [3r-(3.alpha.,3a.beta.,7.beta.,8a.alpha.)]-:

Related to contained substances:

Dipropyleneglycol monomethyl ether:

LC50 > 1,000 mg/L (fish, *Poecilia reticulata*, 96h)

LC50 = 1,919 mg/L (invertebrates, *Daphnia magna*, 48 h)

LC50 > 1,000 mg/L (invertebrati, *Crangon crangon* (shrimps), 96h)

E50 > 969 mg/L (algae *Pseudokirchneriella subcapitata* (algae cloroficee), 96h)

C(E)L50 (mg/l) = 1000

Linalool:

LC50 - Species: Fish = 27.8 mg / l - Duration h: 96 - Notes: OECD 203

EC50 - Species: *Daphnia* = 59 mg / l - Duration h: 48 - Notes: OECD TG 202

EC50 - Species: Algae = 156.7 mg / l - Duration h: 96

p-tert-Butylcyclohexil acetate:

EC50 - Species: *Daphnia* = 5.3 mg / l - Duration h: 48 - Notes: *Daphnia magna*

EC50 - Species: Fish = 22 mg / l - Duration h: 72 - Notes: *Desmodesmus subspicatus*

LC50 - Species: Fish = 8.6 mg / l - Duration h: 96 - Notes: *Cyprinus carpio*

NOEC - Species: Fish = 6.8 mg / l - Duration h: 72 - Notes: *Desmodesmus subspicatus*

1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran:

LC50 - Species: Fish = 0.452 mg / l - Notes: *Lepomis macrochirus*

EC50 - Species: *Daphnia* = 0.9 mg / l - Duration h: 48 - Notes: *Daphnia magna*

C(E)L50 (mg/l) = 0,47

Acetyl cedrene:

C(E)L50 (mg/l) = 2,3

octahydro tetramethyl acetonaftone:

LC50 = 1.30 mg/l (fish, *leptomismacrochirus*, 96h) (OECD TG 203)

EC50 = 1.38 mg/l (invertebrates, Daphnia magna, 48h) (OECD TG 202)  
EC50 = 2.60 mg/l (algae Desmodesmus subspicatus, 72h,) (OECD TG201)

3,7-dimethylnona-1,6-dien-3-ol:

LC50 - Species: Fish (Brachydanio rerio) = 23 mg / l - Duration h: 96 - OECD203

EC50 - Species: Aquatic invertebrates (Daphnia magna) = 23 mg / l - Duration h: 48 - OECD202

EC50 - Species: Algae = 13.3 mg / l - Duration h: 72 - OECD201

Dihydropentamethyl indanone:

LC50 = 2.12 mg / L (fish, Oryzias latipes, 96h)

EC50 = 1.5 mg / L (invertebrates, Daphnia magna, 48h)

EC50 = 10 mg / L (algae, Desmodesmus subspicatus, 72h)

LIMONENE:

The substance is very toxic to aquatic organisms.

C(E)L50 (mg/l) = 0,688

Linalyl acetate:

LC50 = 11 mg / L (pesvi, Cyprinus carpio, 96h)

EC50 = 15 mg / L (invertebrates, Daphnia magna, 48h)

EC50 = 62 mg / L (algae, Desmodesmus subspicatus, 72h)

1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one:

LC50 = 1.30 mg/l (fish, lepomis macrochirus, 83d)

EC50 = 1.38 mg/l (invertebrates, Daphnia magna, 48 h)

EC50 = 2.60 mg/l (algae Desmodesmus subspicatus, 72 h)

C(E)L50 (mg/l) = 1,3

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one:

LC50 = 1.30 mg/l (fish, lepomis macrochirus, 83d) OECD TG 203

EC50 = 1.38 mg/l (invertebrates, Daphnia magna, 48 h) OECD TG 202

EC50 = 2.60 mg/l (algae Desmodesmus subspicatus, 72 h) OECD TG 201

NOEC - Fish = 0.16 mg/l - Note: OECD 210

C(E)L50 (mg/l) = 1,3

1h-3a,7-Methanoazulene, Octahydro-3,8,8-Trimethyl-6-Methylene-, [3r-(3.alpha.,3a.beta.,7.beta.,8a.alpha.)]-:

Acute toxicity M-factor = 10

Chronic toxicity M-factor = 10

Alpha Cedrene:

EC50 = 0,05 mg/kg (invertebrates, daphnia magna)

Acute toxicity M-factor = 10

Chronic toxicity M-factor = 10

Hexyl Cinnamic Aldehyde:

LC50 - Species: Fish = 1.7 mg / l - Duration h: 96

Coumarin:

LC50=1.324mg/L (fish, 96h)

EC50=8.012mg/L (Daphnia, 48h)

EC50=1.452mg/L (algae, 96h)

2,6-di-tert-butyl-p-cresol:

The substance is harmful to aquatic organisms.  
EC50 = 0,758mg/L (algae, 96h)  
EC50 = 0,48mg/L (invertebrates, daphnia magna, 48 h)  
LC50 = 0,199mg/L (fish, 83d)  
EC50 = 1,7 mg/L (microorganisms, psaudomonas putida, 24h)  
C(E)L50 (mg/l) = 0,199

The product is dangerous for the environment as it is very toxic to aquatic organisms following acute exposure.

Use according to good working practices to avoid pollution into the environment.

### 12.2. Persistence and degradability

Related to contained substances:  
Dipropyleneglycol monomethyl ether:  
Readily degradable in the environment.

Linalool:  
OECD 301 D: 64.2%

1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran:  
Biodegradability: Not readily biodegradable - Test: Modified Sturm's assay - 2%

octahydro tetramethyl acetonaftone:  
OECD 301B - 28 days - 72.1%

3,7-dimethylnona-1,6-dien-3-ol:  
Readily biodegradable

Dihydropentamethyl indanone:  
Biodegradability = 61% (28 days)  
Concentration = 100 mg / L

Linalyl acetate:  
Degradability = 80% (28 days)  
Concentration = 81 mg / L

2,6-di-tert-butyl-p-cresol:  
Not rapidly biodegradable

### 12.3. Bioaccumulative potential

Related to contained substances:  
Dipropyleneglycol monomethyl ether:  
FBC < 100  
Log Pow <3

Linalool:  
Log Pow = 2.97

Dihydropentamethyl indanone:  
BCF = 82  
Log Pow = 4.2

LIMONENE:

Can be no bioaccumulation of this chemical in fish.

Linalyl acetate:  
BCF = 174  
Log Pow = 3.9

#### 12.4. Mobility in soil

Related to contained substances:  
Dihydropentamethyl indanone:  
Koc = 200

Linalyl acetate:  
Koc = 518

#### 12.5. Results of PBT and vPvB assessment

Based on the available data, no PBT or vPvB substances are present in accordance with Regulation (EC) 1907/2006, annex XIII

#### 12.6. Endocrine disrupting properties

Based on available data, there are no substances that interfere with the Endocrine System in accordance with Regulation (EU) 2017/2100

#### 12.7. Other adverse effects

No adverse effects

### SECTION 13. Disposal considerations

#### 13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies. Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

### SECTION 14. Transport information

#### 14.1. UN number or ID number

ADR/RID/IMDG/ICAO-IATA: 3082

If subject to the following characteristics is ADR exempt:

Combination packagings: per inner packaging 5 L per package 30 Kg

Inner packagings placed in shrink-wrapped or stretch-wrapped trays: per inner packaging 5 L per package 20 Kg



#### 14.2. UN proper shipping name

ADR/RID/IMDG: MATERIA PERICOLOSA PER L'AMBIENTE, LIQUIDA, N.A.S.

(1,3,4,6,7,8-esaidro-4,6,6,7,8,8-esametillinden[5,6-c]pirano, LIMONENE, 2,6-di-ter-butyl-p-cresolo)

ADR/RID/IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran, LIMONENE, 2,6-di-tert-butyl-p-cresol)

ICAO-IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran, LIMONENE, 2,6-di-tert-butyl-p-cresol)



**14.3. Transport hazard class(es)**

ADR/RID/IMDG/ICAO-IATA: Class : 9  
ADR/RID/IMDG/ICAO-IATA: Label : 9 + Ambiente  
ADR: Tunnel restriction code : --  
ADR/RID/IMDG/ICAO-IATA: Limited quantities : 5 L  
IMDG - EmS : F-A, S-F

**14.4. Packing group**

ADR/RID/IMDG/ICAO-IATA: III

**14.5. Environmental hazards**

ADR/RID/ICAO-IATA: Product is environmentally hazardous  
IMDG: Marine polluting agent : Yes

**14.6. Special precautions for user**

The goods must be transported by vehicles authorized to transport of dangerous goods according to the current edition of ADR requirements and applicable national regulations.

The goods must be in original packing, however, in packaging made of materials resistant to their content and not likely to generate with this dangerous reactions. People loading and unloading dangerous goods must be trained on the risks from these substances and that must be taken in case of emergency situations.

**14.7. Maritime transport in bulk according to IMO instruments**

It is not intended to carry bulk

**SECTION 15. Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

REGULATION (EC) 1907/2006 (REACH) - Annex XIV, Annex XVII as amended.  
REGULATION (EC) 1272/2008 (CLP) as amended.  
COMMISSION DELEGATED REGULATION (EU) 2020/1182  
COMMISSION DELEGATED REGULATION (EU) 2021/643  
COMMISSION DELEGATED REGULATION (EU) 2021/849  
REGULATION (EU) 878/2020 (Requirements for the compilation of safety data sheets)  
REGULATION (EC) 790/2009, Dir 96/82/EC as amended.

Seveso category:

E1 - ENVIRONMENTAL HAZARDS

REGULATION (EU) No 1357/2014 - waste:  
HP4 - Irritant — skin irritation and eye damage  
HP14 - Ecotoxic

Substances in the Candidate List (REACH Article 59)  
Based on available data, no SVHC substances are present

**15.2. Chemical safety assessment**

No chemical safety assessment was carried out by the supplier

**SECTION 16. Other information****16.1. Other information**

Description of the hazard statements exposed to point 3

H315 = Causes skin irritation.

H317 = May cause an allergic skin reaction.

H319 = Causes serious eye irritation.

H411 = Toxic to aquatic life with long lasting effects.

H400 = Very toxic to aquatic life.

H410 = Very toxic to aquatic life with long lasting effects.

H304 = May be fatal if swallowed and enters airways.

H226 = Flammable liquid and vapour.

H302 = Harmful if swallowed.

H312 = Harmful in contact with skin.

H412 = Harmful to aquatic life with long lasting effects.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008

H315-Causes skin irritation.Classification procedure:Calculation method

H317-May cause an allergic skin reaction.Classification procedure:Calculation method

H319-Causes serious eye irritation.Classification procedure:Calculation method

H410-Very toxic to aquatic life with long lasting effects.Classification procedure:Calculation method

Bibliographic data :

SAX 12 Ed Van Nostrand Reinhold

MERCK INDEX 15 Ed

ECHA: European Chemicals Agency (<https://echa.europa.eu/it/information-on-chemicals>)

OSHA: European Agency for Safety and Health at Work

IARC: International Agency for Research on Cancer

IPCS: International Programme on Chemical Safety (Cards)

NIOSH: Registry of toxic effects of chemical substances (1983)

ACGIH: American Conference of Governmental Industrial Hygienists

TOXNET: Toxicology Data Network

WHO: World Health Organization

CheLIST: Chemical Lists Information System

GESTIS: International Limit Value (<https://limitvalue.ifa.dguv.de/>)

Acronyms:

- ACGIH American Conference of Governmental Industrial Hygienists

- ADR Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route (European accord regarding international transport of dangerous goods by land)

- bw body weight

- CLP Classification, Labelling and Packaging

- CSR Chemical Safety Report

- DMEL Derived Minimal Effect Level

- DNEL Derived No Effect Level

- dw dry weight

- EC Effective Concentration

- IATA International Air Transport Association

- IMDG International Maritime Dangerous Goods

- LC Lethal Concentration

- LD Lethal Dose

- m.w. molecular weight
- PBT Persistent, Bioaccumulative and Toxic
- PNEC Predicted No Effect Concentration
- OECD Organisation / Office for Economic Co-operation and Development
- STEL Short Term Exposure Limit
- SVHC Substance of Very High Concern
- TLV Threshold Limit Value
- TWA Time Weighted Average
- vPvB very Persistent, very Bioaccumulative and toxic
- WGK Wassergefährdungsklasse (Water hazard class)

**NOTICE TO USERS**

The information contained in this sheet are based on the knowledge available at the date of the preparation of this sheet.

The user must be aware of the possible risks associated with the use of the product, other than that for which the product is supplied. The sheet does not exonerate the user from knowing and applying all the regulations governing its activities. The set of regulations mentioned is simply to help the user to fulfill its obligations regarding the use of hazardous products.

This sheet does not exonerate the user from other legal obligations than those mentioned and from rules regulating possession and use of the product, since the user is the only responsible.

\*\*\* This sheet supersedes all previous editions.

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