

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 5/15/2023 Revision date: 11/5/2024 Supersedes version of: 5/15/2023 Version: 2.0

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

### **1.1. Product identifier**

| Product form           | : Substance  |
|------------------------|--|
| Substance name         | : Polysantol (Fir)   |
| IUPAC name             | : (+/-) trans-3,3-dimethyl-5-(2,2,3-trimethyl-cyclopent-3-en-1-yl)pent-4-en-2-ol |
| EC Index-No.           | : 603-150-00-0   |
| EC-No.                 | : 411-580-3  |
| CAS-No.                | : 107898-54-4  |
| REACH registration No. | : 01-0000015895-58   |
| Product code           | : 23216  |
| Product group          | : Trade product  |
|                        |  |

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

#### 1.2.1. Relevant identified uses

Intended for general public Main use category Use of the substance/mixture

: Professional use,Consumer use : Fragrance raw material

### 1.2.2. Uses advised against

No additional information available

De Hekserij Spoorstraat 57 8271 RG IJsselmuiden Nederland www.hekserij.nl

### 1.4. Emergency telephone number

No additional information available

| SECTION 2: Hazards identification   |  |  |
|---|--|--|
| 2.1. Classification of the substance or mixture   |  |  |
| Classification according to Regulation (EC) No. 1272/2  |  |  |
| Skin corrosion/irritation, Category 2<br>Hazardous to the aquatic environment – Chronic Hazard,<br>Category 1<br>Full text of H- and EUH-statements: see section 16 | H315<br>H410   |  |
| Adverse physicochemical, human health and environmental effects<br>Causes skin irritation. Very toxic to aquatic life with long lasting effects.                    |  |  |
| 2.2. Label elements   |  |  |
| Labelling according to Regulation (EC) No. 1272/2008  | [CLP]  |  |
| Hazard pictograms (CLP) :   | GHS07 GHS09  |  |
| Signal word (CLP) : W   | Varning  |  |
|   | l315 - Causes skin irritation.<br>l410 - Very toxic to aquatic life with long lasting effects. |  |

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| Precautionary statements (CLP) | : P280 - Wear protective gloves.  |
|--------------------------------|---|
|                                | P302+P352 - IF ON SKIN: Wash with plenty of soap and water.                                 |
|                                | P273 - Avoid release to the environment.  |
|                                | P332+P313 - If skin irritation occurs: Get medical advice/attention.                        |
|                                | P362+P364 - Take off contaminated clothing and wash it before reuse.                        |
|                                | P391 - Collect spillage.  |
|                                | P501 - Dispose of contents and container to hazardous or special waste collection point, in |
|                                | accordance with local, regional, national and/or international regulation.                  |

## 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

## 3.1. Substances

| Substance type : | Mono-constituent  |          |   |
|------------------|---|----------|---|
| Name             | Product identifier  | %        | Classification according to<br>Regulation (EC) No. 1272/2008<br>[CLP] |
| Polysantol (Fir) | CAS-No.: 107898-54-4<br>EC-No.: 411-580-3<br>EC Index-No.: 603-150-00-0<br>REACH-no: 01-0000015895-<br>58 | 99 – 100 | Skin Irrit. 2, H315<br>Aquatic Chronic 1, H410                        |

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

## 3.2. Mixtures

Not applicable

| 4.1. Description of first aid measures |   |
|--|---|
| First-aid measures general             | : If you feel unwell, seek medical advice.  |
| First-aid measures after inhalation    | : Remove person to fresh air and keep comfortable for breathing.  |
| First-aid measures after skin contact  | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Ge medical advice/attention.               |
| First-aid measures after eye contact   | : Rinse eyes with water as a precaution.  |
| First-aid measures after ingestion     | : Call a poison center or a doctor if you feel unwell.  |
| First-aid measures for first aider     | : First aid workers will be equipped with suitable personal protective equipment.   |
| 4.2. Most important symptoms and e     | ffects, both acute and delayed  |
| Symptoms/effects after inhalation      | : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard. |
| Symptoms/effects after skin contact    | : Irritation.   |
| Symptoms/effects after eye contact     | : None under normal conditions.   |
| Symptoms/effects after ingestion       | : None under normal conditions.   |

Treat symptomatically.

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| SECTION 5: Firefighting measures  |   |  |  |
|---|---|--|--|
| 5.1. Extinguishing media  |   |  |  |
| Suitable extinguishing media<br>Unsuitable extinguishing media                      | <ul><li>Water spray. Dry powder. Foam. Carbon dioxide.</li><li>Do not use a heavy water stream.</li></ul>   |  |  |
| 5.2. Special hazards arising from the substance or mixture                          |   |  |  |
| Fire hazard<br>Explosion hazard<br>Hazardous decomposition products in case of fire | <ul> <li>No fire hazard.</li> <li>No direct explosion hazard.</li> <li>Toxic fumes may be released.</li> </ul>  |  |  |
| 5.3. Advice for firefighters  |   |  |  |
| Firefighting instructions Protection during firefighting                            | <ul> <li>Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.</li> <li>Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.</li> </ul> |  |  |

| SECTION 6: Accidental release measures |   |  |
|--|---|--|
| 6.1. Personal precautions, protect     | tive equipment and emergency procedures   |  |
| General measures                       | : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.<br>Absorb spillage to prevent material damage.                  |  |
| 6.1.1. For non-emergency personnel     |   |  |
| Protective equipment                   | : Wear recommended personal protective equipment.   |  |
| Emergency procedures                   | : Ventilate spillage area. Avoid contact with skin and eyes.  |  |
| 6.1.2. For emergency responders        |   |  |
| Protective equipment                   | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |  |
| Emergency procedures                   | : Evacuate unnecessary personnel. Stop leak if safe to do so.   |  |
| 6.2 Environmental precautions          |   |  |

Avoid release to the environment.

| 6.3. Methods and material for containment and cleaning up |   |  |
|---|---|--|
| For containment   | <ul> <li>Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry<br/>into sewers or streams. Stop leak without risks if possible.</li> </ul> |  |
| Methods for cleaning up                                   | : Take up liquid spill into absorbent material.   |  |
| Other information   | : Dispose of materials or solid residues at an authorized site.   |  |
| 6.4. Reference to other sections                          |   |  |

For further information refer to section 13.

| SECTION 7: Handling and storage                                    |  |  |
|--|--|--|
| 7.1. Precautions for safe handling                                 |  |  |
| Additional hazards when processed<br>Precautions for safe handling | <ul> <li>Not expected to present a significant hazard under anticipated conditions of normal use.</li> <li>Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.</li> </ul> |  |
| Hygiene measures   | : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.   |  |
| 7.2. Conditions for safe storage, including any incompatibilities  |  |  |
| Technical measures<br>Storage conditions                           | <ul><li>Keep in a cool, well-ventilated place away from heat.</li><li>Keep cool. Protect from sunlight.</li></ul>  |  |

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Packaging materials

: Store always product in container of same material as original container.

7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

| Polysantol (Fir) (107898-54-4)         |                  |  |
|--|------------------|--|
| PNEC (Water)                           |                  |  |
| PNEC aqua (freshwater)                 | 1.2 µg/l         |  |
| PNEC aqua (marine water)               | 0.12 μg/l        |  |
| PNEC aqua (intermittent, freshwater)   | 12 µg/l          |  |
| PNEC aqua (intermittent, marine water) | 1.2 µg/l         |  |
| PNEC (Sediment)                        |                  |  |
| PNEC sediment (freshwater)             | 0.246 mg/kg dwt  |  |
| PNEC sediment (marine water)           | 0.025 mg/kg dwt  |  |
| PNEC (Soil)                            |                  |  |
| PNEC soil                              | 0.048 mg/kg dwt  |  |
| PNEC (Oral)                            |                  |  |
| PNEC oral (secondary poisoning)        | 222.2 mg/kg food |  |
| PNEC (STP)                             |                  |  |
| PNEC sewage treatment plant            | 0.1 mg/l         |  |

#### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

#### Personal protective equipment:

Wear recommended personal protective equipment. Personal protective equipment symbol(s):



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#### 8.2.2.1. Eye and face protection

# Eye protection:

Safety glasses

## 8.2.2.2. Skin protection

**Skin and body protection:** Wear suitable protective clothing

## Hand protection:

Protective gloves

### 8.2.2.3. Respiratory protection

### **Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

### Environmental exposure controls:

Avoid release to the environment.

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

## 9.1. Information on basic physical and chemical properties

| Physical state                                  | : Liquid                        |
|---|---------------------------------|
| Colour  | : No data available             |
| Odour   | : No data available             |
| Odour threshold                                 | : No data available             |
| рН  | : No data available             |
| Relative evaporation rate (butylacetate=1)      | : No data available             |
| Melting point                                   | : -18 °C Atm. press.: 1 atm     |
| Freezing point                                  | : No data available             |
| Boiling point                                   | : 273 °C Atm. press.: 101,3 kPa |
| Flash point                                     | : > 110 °C Atm. press.: 1 atm   |
| Auto-ignition temperature                       | : No data available             |
| Decomposition temperature                       | : No data available             |
| Flammability (solid, gas)                       | : Not applicable                |
| Vapour pressure                                 | : No data available             |
| Relative vapour density at 20°C                 | : No data available             |
| Relative density                                | : 0.902                         |
| Solubility                                      | : Insoluble in water.           |
| Partition coefficient n-octanol/water (Log Pow) | : No data available             |
| Partition coefficient n-octanol/water (Log Kow) | : 4.989                         |
| 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.

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| 10.2. Chemical stability        |  |  |
|---------------------------------|--|--|
| Stable under normal conditions. |  |  |

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

**10.6. Hazardous decomposition products** 

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

| SECTION 11: Toxicological informatic  | n  |
|---|--|
| 11.1 Information on toxicological effects                                       |  |
| Acute toxicity (oral)<br>Acute toxicity (dermal)<br>Acute toxicity (inhalation) | <ul> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> </ul>   |
| Polysantol (Fir) (107898-54-4)  |  |
| LD50 oral rat   | > 5000 mg/kg bodyweight Animal: rat, Guideline: other:   |
| LD50 dermal rat   | > 2000 mg/kg bodyweight Animal: rat, Guideline: EU Method B.3 (Acute Toxicity (Dermal))                                    |
| Skin corrosion/irritation   | : Causes skin irritation.  |
| Serious eye damage/irritation   | : Not classified   |
| Respiratory or skin sensitisation   | : Not classified   |
| Germ cell mutagenicity  | : Not classified   |
| Carcinogenicity   | : Not classified   |
| Reproductive toxicity   | : Not classified   |
| STOT-single exposure  | : Not classified   |
| STOT-repeated exposure  | : Not classified   |
| Polysantol (Fir) (107898-54-4)  |  |
| NOAEL (oral, rat, 90 days)  | 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-<br>Day Oral Toxicity Study in Rodents) |
| Aspiration hazard   | : Not classified   |

## **SECTION 12: Ecological information**

12.1. Toxicity

| Hazardous to the aquatic environment, short-term (acute) | <ul> <li>Very toxic to aquatic life with long lasting effects.</li> <li>Not classified.</li> <li>Very toxic to aquatic life with long lasting effects.</li> </ul> |
|--|---|
| Polysantol (Fir) (107898-54-4)                           |   |
| LC50 - Fish [1]  | 1.2 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)   |
| EC50 - Crustacea [1]                                     | 1 mg/l Test organisms (species): Daphnia magna  |

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| Polysantol (Fir) (107898-54-4)                  |  |
|---|--|
| EC50 72h - Algae [1]                            | 0.88 mg/l Test organisms (species): Desmodesmus subspicatus (previous name:                            |
|   | Scenedesmus subspicatus)   |
| EC50 72h - Algae [2]                            | 1.4 mg/l Test organisms (species): Desmodesmus subspicatus (previous name:<br>Scenedesmus subspicatus) |
| 12.2. Persistence and degradability             |  |
| Polysantol (Fir) (107898-54-4)                  |  |
| Persistence and degradability                   | Not rapidly degradable   |
| 12.3. Bioaccumulative potential                 |  |
| Polysantol (Fir) (107898-54-4)                  |  |
| Partition coefficient n-octanol/water (Log Kow) | 4.989  |
| 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                     |  |
| No additional information available             |  |
|   |  |

| SECTION 13: Disposal considerations   |  |
|---|--|
| 13.1. Waste treatment methods   |  |
| Regional waste regulation<br>Waste treatment methods<br>Sewage disposal recommendations<br>Product/Packaging disposal recommendations<br>Additional information | <ul> <li>Disposal must be done according to official regulations.</li> <li>Dispose of contents/container in accordance with licensed collector's sorting instructions.</li> <li>Disposal must be done according to official regulations.</li> <li>Disposal must be done according to official regulations.</li> <li>Do not re-use empty containers.</li> </ul> |

# SECTION 14: Transport information

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

| ADR   | IMDG  | ΙΑΤΑ   | ADN   | RID   |
|---|---|--|---|---|
| 14.1. UN number   |   |  |   |   |
| UN 3082   | UN 3082 UN 3082   |  | UN 3082   | UN 3082   |
| 14.2. UN proper shippin   | g name  |  |   |   |
| ENVIRONMENTALLY<br>HAZARDOUS<br>SUBSTANCE, LIQUID,<br>N.O.S. (Polysantol (Fir)) | ENVIRONMENTALLY<br>HAZARDOUS<br>SUBSTANCE, LIQUID,<br>N.O.S. (Polysantol (Fir)) | Environmentally hazardous<br>substance, liquid, n.o.s.<br>(Polysantol (Fir)) | ENVIRONMENTALLY<br>HAZARDOUS<br>SUBSTANCE, LIQUID,<br>N.O.S. (Polysantol (Fir)) | ENVIRONMENTALLY<br>HAZARDOUS<br>SUBSTANCE, LIQUID,<br>N.O.S. (Polysantol (Fir)) |

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| ADR  | IMDG IATA  |   | ΙΑΤΑ   | ADN   | RID   |  |
|--|--|---|--|---|---|--|
| Transport document description   |  |   |  |   |   |  |
| UN 3082<br>ENVIRONMENTALLY<br>HAZARDOUS<br>SUBSTANCE, LIQUID,<br>N.O.S. (Polysantol (Fir)), 9,<br>III, (-)   | UN 3082<br>ENVIRONMENTALLY<br>HAZARDOUS<br>SUBSTANCE, LIQUID,  |   | 82 Environmentally<br>rdous substance,<br>, n.o.s. (Polysantol<br>(Fir)), 9, III | UN 3082<br>ENVIRONMENTALLY<br>HAZARDOUS<br>SUBSTANCE, LIQUID,<br>N.O.S. (Polysantol (Fir)), 9,<br>III | UN 3082<br>ENVIRONMENTALLY<br>HAZARDOUS<br>SUBSTANCE, LIQUID,<br>N.O.S. (Polysantol (Fir)), 9,<br>III |  |
| 14.3. Transport hazard c   | lass(es)   |   |  |   |   |  |
| 9  | 9  |   | 9  | 9   | 9   |  |
|  |  |   | A HAR  |   |   |  |
| 14.4. Packing group  |  |   |  |   |   |  |
|  | 111  |   | 111  | III   | 111   |  |
| 14.5. Environmental haz  | ards   |   |  |   |   |  |
| Dangerous for the<br>environment: Yes  | Dangerous for the<br>environment: Yes<br>Marine pollutant: Yes | en  | ngerous for the<br>vironment: Yes  | Dangerous for the environment: Yes  | Dangerous for the environment: Yes  |  |
| No supplementary informatio  | n available  |   |  |   |   |  |
| 14.6. Special precautions  | s for user   |   |  |   |   |  |
| Overland transport   |  |   |  |   |   |  |
| Classification code (ADR):M6Special provisions (ADR):274, 335, 375, 601Limited quantities (ADR):51Excepted quantities (ADR):E1Packing instructions (ADR):P001, IBC03, LP01, R001Special packing provisions (ADR):PP1Mixed packing provisions (ADR):MP19Portable tank and bulk container instructions (ADR):T4Portable tank and bulk container instructions (ADR):T4Portable tank and bulk container instructions (ADR):T4Portable tank and bulk container special provisions:T4Portable tank and bulk container special provisions:V12Yehicle for tank carriage::Yehicle for tank carriage::Yehicle for tank carriage - Packages (ADR)::Yu 2::Special provisions for carriage - Loading, unloading and handling (ADR):Hazard identification number (Kemler No.)::90::30882 |  |   |  |   |   |  |
| Tunnel restriction code (ADR)  | :  | -   |  |   |   |  |
| Transport by sea<br>Special provisions (IMDG)<br>Limited quantities (IMDG)<br>Excepted quantities (IMDG)<br>Packing instructions (IMDG)<br>Special packing provisions (IMD<br>IBC packing instructions (IMDG)<br>Tank instructions (IMDG)  | :<br>:<br>IDG) :<br>G) :                                       | 274, 335, 96<br>5 L<br>E1<br>LP01, P001<br>PP1<br>IBC03<br>T4 |  |   |   |  |

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| Tank special provisions (IMDG)  | : TP1, 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, A215   |
| ERG code (IATA)   | : 9L                      |
| Inland waterway transport   |                           |
| Classification code (ADN)   | : M6                      |
| Special provisions (ADN)  | : 274, 335, 375, 601      |
| Limited quantities (ADN)  | : 5L                      |
| Excepted quantities (ADN)   | : E1                      |
| Carriage permitted (ADN)  | : T                       |
| Equipment required (ADN)  | : PP                      |
| 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

## **REACH Annex XVII (Restriction List)**

| EU restriction list (RE/ | EU restriction list (REACH Annex XVII) |   |  |
|--------------------------|--|---|--|
| Reference code           | Applicable on                          | Entry title or description  |  |
| 3(b)                     | Polysantol (Fir)                       | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |  |

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| EU restriction list (REA  | ACH Annex XVII)  |   |
|---|------------------|---|
| Reference code         Applicable on         Entry title or description |                  |   |
| 3(c)  | Polysantol (Fir) | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1 |

### **REACH Annex XIV (Authorisation List)**

Not listed on REACH Annex XIV (Authorisation List)

#### **REACH Candidate List (SVHC)**

Not listed on the REACH Candidate List

#### **PIC Regulation (Prior Informed Consent)**

Not listed on the PIC list (Regulation EU 649/2012)

#### **POP Regulation (Persistent Organic Pollutants)**

Not listed on the POP list (Regulation EU 2019/1021)

#### Ozone Regulation (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

#### Council Regulation (EC) for the control of dual-use items

Not listed on the COUNCIL REGULATION (EC) of dual-use items.

#### **Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

#### **Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

#### Netherlands

| SZW-lijst van kankerverwekkende stoffen            | : | The substance is not listed |
|--|---|-----------------------------|
| SZW-lijst van mutagene stoffen                     | : | The substance is not listed |
| SZW-lijst van reprotoxische stoffen – Borstvoeding | : | The substance is not listed |
| SZW-lijst van reprotoxische stoffen –              | : | The substance is not listed |
| Vruchtbaarheid                                     |   |                             |
| SZW-lijst van reprotoxische stoffen – Ontwikkeling | : | The substance is not listed |
|  |   |                             |

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### **SECTION 16: Other information**

| Abbreviations and acronyms: |   |  |
|-----------------------------|---|--|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |  |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |  |
| ATE                         | Acute Toxicity Estimate   |  |
| BCF                         | Bioconcentration factor   |  |
| BLV                         | Biological limit value  |  |
| BOD                         | Biochemical oxygen demand (BOD)   |  |
| COD                         | Chemical oxygen demand (COD)  |  |
| DMEL                        | Derived Minimal Effect level  |  |
| DNEL                        | Derived-No Effect Level   |  |

# Safety Data Sheet

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

| Abbreviations and acronyms: |  |  |
|-----------------------------|--|--|
| EC-No.                      | European Community number  |  |
| EC50                        | Median effective concentration   |  |
| EN                          | European Standard  |  |
| IARC                        | International Agency for Research on Cancer                                  |  |
| ΙΑΤΑ                        | International Air Transport Association                                      |  |
| IMDG                        | International Maritime Dangerous Goods                                       |  |
| LC50                        | Median lethal concentration  |  |
| LD50                        | Median lethal dose   |  |
| LOAEL                       | Lowest Observed Adverse Effect Level   |  |
| NOAEC                       | No-Observed Adverse Effect Concentration                                     |  |
| NOAEL                       | No-Observed Adverse Effect Level   |  |
| NOEC                        | No-Observed Effect Concentration   |  |
| OECD                        | Organisation for Economic Co-operation and Development                       |  |
| OEL                         | Occupational Exposure Limit  |  |
| РВТ                         | Persistent Bioaccumulative Toxic   |  |
| PNEC                        | Predicted No-Effect Concentration  |  |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |  |
| SDS                         | Safety Data Sheet  |  |
| STP                         | Sewage treatment plant   |  |
| ThOD                        | Theoretical oxygen demand (ThOD)   |  |
| TLM                         | Median Tolerance Limit   |  |
| VOC                         | Volatile Organic Compounds   |  |
| CAS-No.                     | Chemical Abstract Service number   |  |
| N.O.S.                      | Not Otherwise Specified  |  |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |  |
| ED                          | Endocrine disruptor  |  |

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Aquatic Chronic 1                   | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| H315                                | Causes skin irritation.   |
| H410                                | Very toxic to aquatic life with long lasting effects.             |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                             |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.