

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



**Trade name :** Prista HONING  
**Revision date :** 21.01.2016

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

**1.1 Product identifier**

PRISTA HONING

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

Metal working fluids

**Uses advised against**

No information available.

**1.3 Details of the supplier of the safety data sheet Supplier (manufacturer/importer/only representative/downstream user/distributor)**

PRISTA OIL HOLDING EAD

46 Treti Mart Blvd., 7002 Ruse, Bulgaria

Phone: + 359 82 82 69 40, e-mail:information@prista-oil.bg

+ 359 82 82 69 40

information@prista-oil.bg

**1.4 Emergency telephone number**

Call 112 (Please note that the emergency numbers may vary depending upon the country of delivery though 112 remains valid as universal number)

/Call your National Emergency Center/

**SECTION 2: Hazards identification**

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

Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Category 3 ; Harmful to aquatic life with long lasting effects. Asp. Tox. 1 ; H304 - Aspiration hazard : Category 1 ; May be fatal if swallowed and enters airways.

**2.2 Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms**



Health hazard (GHS08)

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**Signal word**

Danger

**Hazard components for labelling**

Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cycloalkanes, < 0,03% aromatics

**Hazard statements**

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P273 Avoid release to the environment.

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

P331 Do NOT induce vomiting. P405

Store locked up.

**2.3 Other hazards**

None

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

**3.2 Mixtures**

**Description**

Preparation of solvent refined mineral oils with low content of aromatic hydrocarbons and additives.

**Hazardous ingredients**

Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cycloalkanes, < 0,03% aromatics ; REACH registration No. : 01-2119827000 58-0000 ; EC No. : 934-956-3

Weight fraction : 95 - 100 %

Classification 1272/2008 [CLP] : Asp. Tox. 1 ; H304

Amines, C12-14-tert-alkyl, mixed sec-Bu and iso-Bu phosphate ; EC No. : 306-227-4; CAS No. : 96690-34-5

Weight fraction : Classification 1272/2008 [CLP] : Acute Tox. 4 ; H302 Skin Irrit. 2 ; H315 Eye Irrit. ,5 - 1 %  
t. 2 ; H319 Aquatic Chronic 2 ; H411

2,6-DI-TERT-BUTYL-P-CRESOL ; REACH registration No. : 01-2119565113-46-0000 ; EC No. : 204-881-4; CAS No. : 128-37-0

Weight fraction : 0,5 - 1 %

Classification 1272/2008 [CLP] : Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

**Additional information**

Full text of R-, H- and EUH-phrases: see section 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information** When in doubt or if symptoms are observed, get medical advice.

**Following inhalation**

Remove casualty to fresh air and keep warm and at rest. Where appropriate artificial ventilation. In case of respiratory tract irritation, consult a physician.

**In case of skin contact**

Change contaminated, saturated clothing. After contact with skin, wash with plenty of water and soap. In case of skin irritation, consult a physician.

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**After eye contact**

Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

**After ingestion**

Do NOT induce vomiting. Call a physician immediately. Rinse mouth thoroughly with water. Where appropriate artificial ventilation. Observe risk of aspiration if vomiting occurs.

**Self-protection of the first aider**

No direct artificial respiration to be given by first aider. No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator.

No action shall be taken involving any personal risk or without suitable training.

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

The following symptoms may occur: Cough, Respiratory complaints, Dyspnoea, Fever, Symptoms can occur only after

several hours.

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

First Aid, decontamination, treatment of symptoms. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media** Foam, Extinguishing powder, Carbon dioxide (CO<sub>2</sub>), Water spray, Water mist,

**Unsuitable extinguishing media** Strong water jet

**5.2 Special hazards arising from the substance or mixture Hazardous combustion products**

In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, Nitrogen oxides (NO<sub>x</sub>), Smoke and other incomplete combustion products.

**5.3 Advice for firefighters**

**Special protective equipment for firefighters** Wear a self-contained breathing apparatus and chemical protective clothing.

**5.4 Additional information**

Do not inhale explosion and combustion gases. Use water spray jet to protect personnel and to cool endangered containers. Move undamaged containers from immediate hazard area if it can be done safely. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures**

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

Use personal protection equipment. Avoid contact with skin, eyes and clothes. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Ventilate affected area. Vapours can form explosive mixtures with air. Remove all sources of ignition.

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Make sure spills can be contained, e.g. in sump pallets or kerbed areas. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

Stop and contain spill/release if it can be done safely. If this cannot be done, allow fire to burn under control. Cover drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

#### For cleaning up

Clear spills immediately. Wipe up with absorbent material (eg. cloth, fleece). Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Take up mechanically, placing in appropriate containers for disposal. Ventilate affected area. Clean contaminated articles and floor according to the environmental legislation.

### 6.4 Reference to other sections

See Section 8 for information on appropriate personal protective equipment.

See Section 12 for environmental precautions.

See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Use only in well-ventilated areas. Put lids on containers immediately after use. Avoid contact with skin, eyes and clothes. Avoid: Inhalation of vapours or spray/mists Keep away from sources of ignition. - No smoking. Provide earthing of containers, equipment, pumps and ventilation facilities. Use only antistatically equipped (spark-free) tools.

#### Protective measures

##### Measures to prevent fire

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Take precautionary measures against static discharges.

**Environmental precautions** Do not allow to enter into surface water or drains.

#### Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

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

#### Packaging materials

Only use containers specifically approved for the substance/product.

#### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Protect containers against damage.

**Hints on joint storage** Keep away from: Oxidising agent

**Storage class :Storage class (TRGS 510) :** 10 10

**Do not store together with** Food and feedingstuffs

#### Further information on storage conditions

**Recommended storage temperature :** 5 - 40°C / 40 - 105°F.



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**Protect against :** Frost Heat. UV-radiation/sunlight Water Humidity.

**Storage stability :** Product may be stored for up to 24 months under described conditions.

**7.3 Specific end use(s)** None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters Occupational exposure limit values

2,6-DI-TERT-BUTYL-P-CRESOL ; CAS No. : 128-37-0

Limit value type (country of origin) : TRGS 900 ( D )

Parameter : E: inhalable fraction

Limit value : Peak limitation : 104(II) mg/m<sup>3</sup>

metal working coolant

Limit value type (country of origin) : AGW ( D )

Parameter : Limit value : vapour + aerosol 10 mg/m<sup>3</sup>

Version :

### DNEL/DMEL and PNEC values

#### DNEL/DMEL

Limit value type : DNEL worker (systemic) ( 2,6-DI-TERT-BUTYL-P-CRESOL ; CAS No. : 128-37-0 )

Exposure route : Dermal

Exposure frequency : Long-term (repeated)

Limit value : 8,3 mg/kg

Limit value type : DNEL worker (systemic) ( 2,6-DI-TERT-BUTYL-P-CRESOL ; CAS No. : 128-37-0 )

Exposure route : Inhalation

Exposure frequency : Long-term (repeated)

Limit value : 5,8 mg/m<sup>3</sup>

#### Remark

The DNEL may differ from an Occupational Exposure Limit (OEL) for the same chemical. OELs are considered to be safe exposure levels for a typical worker in an occupational setting for an 8-hour work shift, 40 hour work week, as a time weighted average (TWA) or a 15 minute short-term exposure limit (STEL). The Derived No Effect Level (DNEL) is an estimated safe level of exposure that is derived from toxicity data in accord with specific guidance within the European REACH regulation.

#### PNEC

Limit value type : PNEC aquatic, freshwater ( 2,6-DI-TERT-BUTYL-P-CRESOL ; CAS No. : 128-37-0 )

Limit value : 0,004 mg/l

Limit value type : PNEC aquatic, marine water ( 2,6-DI-TERT-BUTYL-P-CRESOL ; CAS No. : 128-37-0 )

Limit value : 0,0004 mg/l

Limit value type : PNEC sediment, freshwater ( 2,6-DI-TERT-BUTYL-P-CRESOL ; CAS No. : 128-37-0 )

Limit value : 1,29 mg/kg

Limit value type : PNEC sewage treatment plant (STP) ( 2,6-DI-TERT-BUTYL-P-CRESOL ; CAS No. : 128-37-0 )

Limit value : 100 mg/l

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## **8.2 Exposure controls                      Appropriate engineering controls**

Use only in well-ventilated areas. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Technical measures and the application of suitable work processes have priority over personal protection equipment.

### **Personal protection equipment**

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

#### **Eye/face protection**

Eye glasses with side protection DIN EN 166

#### **Skin protection**

##### **Hand protection**

Hand protection is not required

By long-term hand contact: Wear suitable gloves. DIN EN 374

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Check leak tightness/impermeability prior to use.

Do not wear gloves near rotary machines and tools.

##### **Suitable material :**

Wearing time with permanent contact:

Material: NBR (Nitrile rubber), CR (polychloroprene, chloroprene rubber), PVA (Polyvinyl alcohol),

Thickness of the glove material: 0,70 mm

Breakthrough time (maximum wearing time): > 480 min

Wearing time with occasional contact (splashes):

Material: NBR (Nitrile rubber), CR (polychloroprene, chloroprene rubber), PVA (Polyvinyl alcohol),

Thickness of the glove material: 0,40 mm

Breakthrough time (maximum wearing time): > 30 min

**Breakthrough time (maximum wearing time):** : For special purposes, it is recommended to check gloves. the resistance to chemicals of the protective gloves mentioned above together with the supplier of these

##### **Body protection**

. Body protection not required. If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended

#### **Respiratory protection**

Usually no personal respirative protection necessary.

Respiratory protection necessary at: exceeding exposure limit values, insufficient ventilation, aerosol or mist If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

##### **Suitable respiratory protection apparatus**

Combination filtering device (EN 14387)

#### **General health and safety measures**

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Wash contaminated clothing prior to re-use. Do not put any product-impregnated cleaning rags into your trouser pockets. Apply skin care products after work.

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



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### 9.1 Information on basic physical and chemical properties

**Appearance :** liquid

**Colour :** yellow

**Odour :** characteristic

#### Safety relevant basis data pH

**:** not applicable  
**Melting point/melting range :** No data available

**Initial boiling point and boiling range :** ( 1013 hPa ) > 270 °C

**Flash point :** > 140 °C DIN EN ISO 2592

**Pour Point:** < -10 °C

**Lower explosion limit :** 0,6 Vol-%

**Upper explosion limit :** 6,5 Vol-%

**Vapour Density (Air = 1):** no data available

**Evaporation Rate :** no data available

**Density :** ( 15 °C ) 0,824 g/cm<sup>3</sup> DIN EN ISO 12185

**Water solubility :** ( 20 °C ) insoluble

**log P O/W :** not applicable

**Ignition temperature :** > 220 °C

**Cinematic viscosity :** ( 40 °C ) approx. 5 mm<sup>2</sup>/s DIN EN ISO 3104

**Decomposition temperature :** No data available

**Odour threshold :** No data available

**Oxidizing Properties:** not oxidising

**Maximum VOC content (EC) :** 0 Wt %

**Maximum VOC content (Switzerland) :** 0 Wt %

**Flammable solids :** Not applicable.

**Explosive properties :** Not explosive according to EU A.14.

### 9.2 Other information

None

## SECTION 10: Stability and reactivity

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- 10.1 Reactivity** No information available.
- 10.2 Chemical stability** The product is stable under storage at normal ambient temperatures.
- 10.3 Possibility of hazardous reactions** No known hazardous reactions.
- 10.4 Conditions to avoid** No information available.
- 10.5 Incompatible materials** Oxidising agent, strong.
- 10.6 Hazardous decomposition products** No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Toxicological data are not available. The statement is derived from the properties of the single component to the main component. Data apply

#### Acute effects

No data available to indicate product may be an acute toxic oral, dermal or inhalation hazard.

#### Acute oral toxicity

Parameter : aromatics ) LD50 ( Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cycloalkanes, < 0,03%

Exposure route : Oral  
Species : Rat  
Effective dose : > 5000 mg/kg  
Method : OECD 401

#### Acute dermal toxicity

Parameter : aromatics ) LD50 ( Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cycloalkanes, < 0,03%

Exposure route : Dermal  
Species : Rabbit  
Effective dose : > 3160 mg/kg  
Method : OECD 402

#### Acute inhalation toxicity

Parameter : LC50 ( Hydrocarbons, C15-C20, n-alkanes, isoalkanes, aromatics ) es, cycloalkanes, < 0,03%

Exposure route : Inhalation  
Species : Rat  
Effective dose : > 5 mg/l  
Method : OECD 403

#### Irritant and corrosive effects

Not an irritant.

#### Primary irritation to the skin





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Parameter : Primary irritation to the skin ( Hydrocarbons, C15-cycloalkanes, < 0,03% aromatics ) C20, n-  
alkanes, isoalkanes,

Species : Rabbit  
Result : Mild effects but not relevant for classification.

**Irritation to eyes**

Parameter : Irritation to eyes ( Hydrocarbons, C15-C20, n-alkan0,03% aromatics ) isoalkanes, cycloalkanes, <

Species : Rabbit  
Result : Mild effects but not relevant for classification.

**Sensitisation** not sensitising.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

**Carcinogenicity**

no known significant effects or critical hazards.

**Germ cell mutagenicity**

no known significant effects or critical hazards.

**Reproductive toxicity**

no known significant effects or critical hazards.

**STOT-single exposure**

**STOT SE 1 and 2**

Not expected to cause organ damage from a single exposure.

**STOT-repeated exposure**

**STOT RE 1 and 2**

Not expected to cause organ damage from prolonged or repeated exposure.

**Aspiration hazard**

May be fatal if swallowed and enters airways. Based on physico-chemical properties of the material.

**SECTION 12: Ecological information**

**12.1 Toxicity**

For the product ecotoxicological data are not available. The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the single components (see section 3).

**Aquatic toxicity**

Harmful to aquatic life with long lasting effects.

**Acute (short-term) fish toxicity**

Parameter : LC50 ( Hydrocarbons, C15-C20, n-alkanes, isoalkanes, aromatics ) es, cycloalkanes, < 0,03%

Effective dose : > 1208 mg/l

Evaluation : Harmless to fish up to the concentration tested.

Method : OECD 203

Parameter : LC50 ( 2,6-DI-TERT-BUTYL-P-CRESOL ; CAS No. : 128-37-0 )

Species : Brachydanio rerio (zebra-fish)

Effective dose : > 0,57 mg/l

Exposure time : 96 h

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Evaluation : Very toxic to fish.

**Acute (short-term) daphnia toxicity**

Parameter : EC50 ( Hydrocarbons, C15-C20, n-alkanes, isoalkaromatics ) es, cycloalkanes, < 0,03%

Effective dose : > 3193 mg/l

Evaluation : Harmless to daphnia up to the tested concentration.

Parameter : EC50 ( 2,6-DI-TERT-BUTYL-P-CRESOL ; CAS No. : 128-37-0 )

Species : Daphnia magna (Big water flea)

Effective dose : > 0,17 mg/l

Exposure time : 48 h

Evaluation : Very toxic to daphnia.

**Acute (short-term) algae toxicity**

Parameter : ErC50 ( Hydrocarbons, C15-C20, n-alkanes, isoalkaromatics ) nes, cycloalkanes, < 0,03%

Effective dose : > 10000 mg/l

Evaluation : Harmless to algae up to the concentration tested.

Parameter :

IC50 ( 2,6-DI-TERT-BUTYL-P-CRESOL ; CAS No. : 128-37-0 )

Species : Desmodesmus subspicatus

Effective dose : > 0,42 mg/l

Exposure time : 72 h

Evaluation : Very toxic to algae.

**12.2 Persistence and degradability**

**Abiotic degradation**

**Physicochemical elimination**

Poorly watersoluble, inorganic product. Can be mechanically precipitated to a large extent in biological sewage plants.

**Biodegradation**

Part of the components is biodegradable.

**12.3 Bioaccumulative potential**

No indication of bioaccumulation potential.

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6 Other adverse effects** Damage can be caused through mechanical influence of the product (eg. sticking).

**12.7 Additional ecotoxicological information**

Do not allow uncontrolled discharge of product into the environment.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods Product/Packaging disposal**

**Waste codes/waste designations according to EWC/AVV**

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, industry and process.  
specific to the

**Waste code product**

12 01 07\*

However, deviation from the intended use and/or the presence of any potential contaminants may require an alternative waste disposal code to be assigned by the end user.

**Waste name** Mineral-based machining oils free of halogens (except emulsions and solutions).

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**Waste treatment options**  
**Appropriate disposal / Product**

Consult the appropriate local waste disposal expert about waste disposal. Dispose of waste according to applicable legislation.

**Appropriate disposal / Package**

Non-contaminated packages may be recycled. Packing which cannot be properly cleaned must be disposed of according to applicable legislation.

**Other disposal recommendations**

Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Do not pressurise, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition.

**SECTION 14: Transport information**

**14.1 UN number**

No dangerous good in sense of these transport regulations. **14.2**

**UN proper shipping name**

No dangerous good in sense of these transport regulations. **14.3**

**Transport hazard class(es)**

No dangerous good in sense of these transport regulations. **14.4**

**Packing group**

No dangerous good in sense of these transport regulations. **14.5**

**Environmental hazards**

No dangerous good in sense of these transport regulations.

**14.6 Special precautions for user**

None

**SECTION 15: Regulatory information**

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

**National regulations**

**Water hazard class (WGK)**

Class : 1 (Slightly hazardous to water) Classification according to VwVWS

**15.2 Chemical safety assessment**

No information available.

**SECTION 16: Other information**

**16.1 Indication of changes**

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02(67/548. Labelling according to Regulation (EC) No. 1272/2008 [CLP] - Hazard components for labelling · /EEC or 1999/45/EC) · 03. Hazardous ingredients 02. Labelling

### 16.2 Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
CAS: Chemical Abstracts Service (division of the American Chemical Society) GHS: Globally Harmonized System on the Classification and Labelling of Chemicals  
CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
EC50: Effective concentration, 50 percent  
DNEL: Derived No Effect Level  
PNEC: Predicted No Effect Concentration PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative

### 16.3 Key literature references and sources for data

Sources of information used in preparing this SDS included one or more of the following: Product Dossiers and SDS from suppliers, complemented by public sources, as appropriate (GESTIS, the EU IUCLID Data Base, U.S. NTP publications, e.g.).

### 16.4 Relevant H- and EUH-phrases (Number and full text)

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
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.

**16.5 Training advice** Provide adequate information, instruction and training for operators.

### 16.6 Additional information

None

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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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