

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 9-5-2018 Revision date: 11-6-2024 Supersedes version of: 8-2-2024 Version: 1.7

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

#### 1.1. Product identifier

Product form : Mixture

Trade name : Putoline Light Fork

Product code : PF.10.00
Type of product : Lubricants
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 : Industrial use, Professional use, Consumer use

Use of the substance/mixture : Hydraulic oil

#### 1.2.2. Uses advised against

No additional information available

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

Putoline Oil
Dollegoorweg 15
NL 7602 EC Almelo
Netherlands
T 0031 (0)546 81 81 65
vib@putoline.com

#### 1.4. Emergency telephone number

| Country/Area   | Organisation/Company  | Address                           | Emergency number   | Comment                           |
|----------------|---|-----------------------------------|--|-----------------------------------|
| Ireland        | National Poisons Information Centre<br>Beaumont Hospital                                  | PO Box 1297<br>Beaumont Road<br>9 | +353 1 809 2566<br>(Healthcare professionals-<br>24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |                                   |
| United Kingdom | National Poisons Information Service<br>(Cardiff Centre)<br>University Hospital Llandough | Penlan Road<br>CF64 2XX           | 0344 892 0111  | Only for healthcare professionals |

# **SECTION 2: Hazards identification**

# 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aspiration hazard, Category 1 H304

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

#### Adverse physicochemical, human health and environmental effects

May be fatal if swallowed and enters airways.

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#### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS08

Signal word (CLP) : Danger

Contains : Distillates (petroleum), hydrotreated light naphthenic Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways.

Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do

NOT induce vomiting. P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

| Component   |   |
|---|---|
| Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII  | Distillates (petroleum), hydrotreated light naphthenic (64742-53-6) |
| Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII | Distillates (petroleum), hydrotreated light naphthenic (64742-53-6) |

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

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

# 3.1. Substances

Not applicable

# 3.2. Mixtures

Comments : Highly refined mineral oils and additives.

| Name  | Product identifier   | %       | Classification according to<br>Regulation (EC) No. 1272/2008<br>[CLP]   |
|---|--|---------|---|
| Distillates (petroleum), hydrotreated light naphthenic (Note L) | CAS-No.: 64742-53-6<br>EC-No.: 265-156-6<br>EC Index-No.: 649-466-00-2<br>REACH-no: 01-2119480375-<br>34 | 25 – 50 | Asp. Tox. 1, H304   |
| 2,6-di-tert-butylphenol   | CAS-No.: 128-39-2<br>EC-No.: 204-884-0<br>REACH-no: 01-2119490822-<br>33                                 | < 0,3   | Skin Irrit. 2, H315<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

Comments : The highly refined mineral oil contains <3% (w/w) DMSOextract, according to IP346.

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Note L:

The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 ("Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method" Institute of Petroleum, London), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.

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

#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.

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.
First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Do not induce vomiting. Call a physician immediately.

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

Symptoms/effects : No additional information available.

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 : None under normal conditions. Symptoms/effects after eye contact : None under normal conditions. Symptoms/effects after ingestion : Risk of lung oedema.

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

Treat symptomatically.

# **SECTION 5: Firefighting measures**

# 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

# 5.2. Special hazards arising from the substance or mixture

Fire hazard : No fire hazard.

Explosion hazard : No direct explosion hazard. Hazardous decomposition products in case of fire : Toxic fumes may be released.

# 5.3. Advice for firefighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper

protective equipment, including respiratory protection.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

#### **SECTION 6: Accidental release measures**

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

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.

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.

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#### 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 : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to

prevent migration and entry into sewers or streams. Stop leak without risks if possible.

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 : Not expected to present a significant hazard under anticipated conditions of normal use.

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or

smoking and when leaving work.

# 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Keep container closed when not in use. Keep in a cool, well-ventilated place away from

heat.

Storage temperature : 0-40 °C

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

#### **Putoline Light Fork**

# **EU - Indicative Occupational Exposure Limit (IOEL)**

Exposure limits/standards for materials that can be formed when handling this product. When mists/aerosols can occur the following is recommended

5 mg/m3 - ACGIH TLV (inhalable fraction).

# 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

No additional information available

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#### 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):







#### 8.2.2.1. Eye and face protection

#### Eye protection:

Safety glasses

| Eye protection |                      |                 |          |
|----------------|----------------------|-----------------|----------|
| Туре           | Field of application | Characteristics | Standard |
| Safety glasses | Droplet              | clear           | EN 166   |

#### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing

# Hand protection:

Protective gloves

| Hand protection |                      |                   |                |             |            |
|-----------------|----------------------|-------------------|----------------|-------------|------------|
| Туре            | Material             | Permeation        | Thickness (mm) | Penetration | Standard   |
| Reusable gloves | Nitrile rubber (NBR) | 6 (> 480 minutes) | ≥0.35          |             | EN ISO 374 |

#### Other skin protection

#### Materials for protective clothing:

Wear suitable protective clothing

#### 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.

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

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

Physical state : Liquid
Colour : light yellow.
Odour : characteristic.
Odour threshold : Not available
Melting point : Not applicable

Freezing point : -36 °C - ASTM D5950 (pour point)

Boiling point : Not available Flammability : Not applicable

Explosive properties : Presents no particular fire or explosion hazard.

Lower explosion limit : Not available Upper explosion limit : Not available

Flash point : 175 °C - ASTM D92 (COC)

Auto-ignition temperature : Not available Decomposition temperature : Not available pH : Not available

Viscosity, kinematic : 15 mm²/s (40 °C) - ASTM D7042 Solubility : Water: Insoluble / Slightly miscible

Partition coefficient n-octanol/water (Log Kow) : Not available Vapour pressure : Not available Vapour pressure at 50°C : Not available : Not available

Density : 0,867 kg/l (15 °C) - ASTM D4052

Relative density : Not available
Relative vapour density at 20°C : Not available
Particle characteristics : Not applicable

#### 9.2. Other information

# 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

VOC content : 0 %

# **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

# 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Reacts violently with (strong) oxidizers.

#### 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

No decomposition if stored normally.

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2 6-di-tert-hutylphenol (128-39-2)

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## **SECTION 11: Toxicological information**

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

Acute toxicity (oral) : Not classified Acute toxicity (dermal) Not classified Acute toxicity (inhalation) Not classified

| 2,0-di-tert-butyiphenor (120-00-2) |               |              |
|------------------------------------|---------------|--------------|
|                                    | LD50 oral rat | > 5000 mg/kg |
|                                    |               |              |

LD50 dermal rabbit > 2000 mg/kg

# Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)

LD50 oral rat > 5000 mg/kg bodyweight LD50 dermal rabbit > 2000 mg/kg bodyweight LC50 Inhalation - Rat (Dust/Mist) > 5,53 mg/l/4h

: Not classified Skin corrosion/irritation Serious eye damage/irritation Not classified Respiratory or skin sensitisation : Not classified Germ cell mutagenicity : Not classified : Not classified Carcinogenicity Reproductive toxicity : Not classified STOT-single exposure Not classified STOT-repeated exposure : Not classified

Aspiration hazard : May be fatal if swallowed and enters airways.

## **Putoline Light Fork**

15 mm<sup>2</sup>/s (40 °C) - ASTM D7042 Viscosity, kinematic

### Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)

Viscosity, kinematic 9 mm<sup>2</sup>/s

#### 11.2. Information on other hazards

No additional information available

# **SECTION 12: Ecological information**

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse

effects in the environment.

Hazardous to the aquatic environment, short-term

(acute)

: Not classified

Hazardous to the aquatic environment, long-term

: Not classified

(chronic)

| ()  | ,  |  |
|---|--|--|
| ,6-di-tert-butylphenol (128-39-2)                                   |  |  |
| EC50 - Crustacea [1]  | 0,45 mg/l (Daphnia magna, freshwater, 48h)       |  |
| EC50 72h - Algae [1]  | 1,4 mg/l (Selenastrum capricornutum, freshwater) |  |
| Distillates (petroleum), hydrotreated light naphthenic (64742-53-6) |  |  |
| LC50 - Fish [1]   | > 100 mg/l (96 h)                                |  |
| EC50 - Crustacea [1]  | > 10 g/l   |  |
| EC50 72h - Algae [1]  | > 100 mg/l                                       |  |

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| Distillates (petroleum), hydrotreated light naphthenic (64742-53-6) |             |
|---|-------------|
| NOEC (acute)  | ≥ 100 (72h) |

#### 12.2. Persistence and degradability

| utoline Light Fork  |  |
|---|--|
| Persistence and degradability                                       | Not rapidly degradable                               |
| 2,6-di-tert-butylphenol (128-39-2)                                  |  |
| Persistence and degradability                                       | Not rapidly degradable                               |
| Biodegradation  | 5 % Sturm (28 d)                                     |
| Distillates (petroleum), hydrotreated light naphthenic (64742-53-6) |  |
| Persistence and degradability                                       | Not readily biodegradable, Inherently biodegradable. |

#### 12.3. Bioaccumulative potential

| 2,6-di-tert-butylphenol (128-39-2)                                  |                            |
|---|----------------------------|
| Partition coefficient n-octanol/water (Log Kow)                     | 4,5 Octanol/water (0,1 d)  |
| Distillates (petroleum), hydrotreated light naphthenic (64742-53-6) |                            |
| Bioaccumulative potential   | Bioaccumulative potential. |

# 12.4. Mobility in soil

| Distillates (petroleum), hydrotreated light naphthenic (64742-53-6) |                     |
|---|---------------------|
| Ecology - soil  | Insoluble in water. |

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

| Component   |   |
|---|---|
| Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII  | Distillates (petroleum), hydrotreated light naphthenic (64742-53-6) |
| Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII | Distillates (petroleum), hydrotreated light naphthenic (64742-53-6) |

#### 12.6. Endocrine disrupting properties

No additional information available

## 12.7. Other adverse effects

No additional information available

# **SECTION 13: Disposal considerations**

# 13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.

Waste treatment methods : Do not allow into drains or water courses. Dispose of contents/container in accordance with

licensed collector's sorting instructions.

Sewage disposal recommendations

Product/Packaging disposal recommendations

Additional information

European List of Waste (LoW, EC 2000/532)

: Disposal must be done according to official regulations.

: Dispose in a safe manner in accordance with local/national regulations.

: Do not re-use empty containers.

: 13 01 10\* - mineral based non-chlorinated hydraulic oils

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HP Code

: HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.

# **SECTION 14: Transport information**

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

| ADR                                    | IMDG           | IATA           | ADN            | RID            |
|--|----------------|----------------|----------------|----------------|
| 14.1. UN number or ID number           |                |                |                |                |
| Not applicable                         | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.2. UN proper shipping name          |                |                |                |                |
| Not applicable                         | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.3. Transport hazard class(es)       |                |                |                |                |
| Not applicable                         | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.4. Packing group                    |                |                |                |                |
| Not applicable                         | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards            |                |                |                |                |
| Not applicable                         | Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available |                |                |                |                |

#### 14.6. Special precautions for user

#### **Overland transport**

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### **Inland waterway transport**

Not applicable

#### Rail transport

Not applicable

# 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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#### **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 (REACH Annex XVII) |   |   |
|--|---|---|
| Reference code                         | Applicable on   | Entry title or description  |
| 3(b)                                   | Putoline Light Fork; 2,6-di-tert-butylphenol;<br>Distillates (petroleum),<br>hydrotreated light<br>naphthenic | 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 |
| 3(c)                                   | 2,6-di-tert-butylphenol   | 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)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

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

Contains no substance(s) listed on the REACH Candidate List

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

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

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

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

## Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

#### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

### VOC Directive (2004/42)

VOC content : 0 %

#### **Biocide Regulation (528/2012)**

Child-resistant fastening : Applicable
Tactile warning : Applicable

#### **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

No additional information available

# 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

#### For the following substances of this mixture a chemical safety assessment has been carried out:

Distillates (petroleum), hydrotreated light naphthenic

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# **SECTION 16: Other information**

| Indication of changes |  |          |          |
|-----------------------|--|----------|----------|
| Section               | Changed item   | Change   | Comments |
|                       | Revision date  | Modified |          |
|                       | Supersedes   | Modified |          |
|                       | Type of product  | Added    |          |
| 1.1                   | UFI on SDS 1.1   | Removed  |          |
| 1.2                   | Function or use category   | Removed  |          |
| 2.1                   | Classification according to Regulation (EC)<br>No. 1272/2008 [CLP] | Modified |          |
| 4.2                   | Symptoms/effects after inhalation                                  | Added    |          |
| 4.2                   | Symptoms/effects after eye contact                                 | Added    |          |
| 4.2                   | Symptoms/effects after skin contact                                | Added    |          |
| 5.2                   | Explosion hazard   | Added    |          |
| 5.2                   | Hazardous decomposition products in case of fire                   | Modified |          |
| 5.2                   | Fire hazard  | Modified |          |
| 5.3                   | Firefighting instructions  | Added    |          |
| 6.1                   | Emergency procedures   | Added    |          |
| 6.1                   | Protective equipment   | Added    |          |
| 6.1                   | General measures   | Added    |          |
| 6.3                   | For containment  | Added    |          |
| 7.1                   | Additional hazards when processed                                  | Added    |          |
| 7.2                   | Packaging materials  | Added    |          |
| 7.2                   | Technical measures   | Added    |          |
| 8.2                   | Personal protective equipment                                      | Added    |          |
| 13.1                  | Sewage disposal recommendations                                    | Added    |          |
| 13.1                  | Additional information   | Added    |          |
| 13.1                  | Regional waste regulation  | Added    |          |

| 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   |  |

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| Abbreviations and acronyms: |  |  |
|-----------------------------|--|--|
| EC-No.                      | European Community number  |  |
| EC50                        | Median effective concentration   |  |
| EN                          | European Standard  |  |
| IARC                        | International Agency for Research on Cancer                                  |  |
| IATA                        | 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  |  |
| PBT                         | 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 disrupting properties  |  |

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Aquatic Acute 1                     | Hazardous to the aquatic environment – Acute Hazard, Category 1   |
| Aquatic Chronic 1                   | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| Asp. Tox. 1                         | Aspiration hazard, Category 1                                     |
| H304                                | May be fatal if swallowed and enters airways.                     |
| H315                                | Causes skin irritation.   |
| H400                                | Very toxic to aquatic life.                                       |
| 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.

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