

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 9-7-2018 Revision date: 17-4-2020 Supersedes: 27-2-2020 Version: 2.1

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

#### 1.1. Product identifier

Product form : Mixture

Trade name : E10 Fuel Fighter
Product code : PW.40.14
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

Use of the substance/mixture : Additive for fuel engines

#### 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
7602 EC Almelo - Netherlands
T 0031 (0)546 81 81 65
vib@putoline.com

## 1.4. Emergency telephone number

| Country        | Organisation/Company   | Address                                  | Emergency number   | Comment |
|----------------|--|--|--|---------|
| Ireland        | National Poisons Information Centre<br>Beaumont Hospital                                     | PO Box 1297<br>Beaumont Road<br>9 Dublin | +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>Gwenwyn Ward, Llandough Hospital | Penarth<br>CF64 2XX Cardiff              | 0344 892 0111  |         |

# **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 Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

Full text of H statements : see section 16

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

Causes damage to organs through prolonged or repeated exposure. Causes skin irritation. May be fatal if swallowed and enters airways. Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

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

Hazard pictograms (CLP)



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Signal word (CLP) : Danger

Hazardous ingredients : Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics, benzene <0,1%;

Hydrocarbons, C10, aromatics, <1% naphthalene; Solvent naphtha (petroleum), light

aromatic

Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways.

H412 - Harmful to aquatic life with long lasting effects.

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

P102 - Keep out of reach of children. P273 - Avoid release to the environment.

P301+P310+P331 - IF SWALLOWED: Immediately call a 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.

EUH-statements : EUH066 - Repeated exposure may cause skin dryness or cracking.

## 2.3. Other hazards

No additional information available

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

#### 3.1. Substances

Not applicable

# 3.2. Mixtures

| Name   | Product identifier  | %        | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|--|---|----------|---|
| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics, benzene <0,1% | (CAS-No.) (1174522-09-8)<br>(EC-No.) 918-481-9<br>(REACH-no) 01-2119457273-39                         | ≥ 50     | Asp. Tox. 1, H304   |
| Hydrocarbons, C10, aromatics, <1% naphthalene  | (EC-No.) 918-811-1<br>(REACH-no) 01-2119463583-34   | 2,5 – 10 | Asp. Tox. 1, H304<br>STOT SE 3, H336<br>Aquatic Chronic 2, H411 (M=0)   |
| Polyolefin alkylfenol alkylamine   | (CAS-No.) Confidentiality: Conf0621 (EC-No.) Polymer  | 2,5 – 10 | Skin Irrit. 2, H315   |
| Solvent naphtha (petroleum), light aromatic  | (CAS-No.) 64742-95-6<br>(EC-No.) 265-199-0<br>(REACH-no) 01-2119486944-21                             | < 5      | Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:vapour), H332 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 |
| 2-ethylhexan-1-ol  | (CAS-No.) 104-76-7<br>(EC-No.) 203-234-3<br>(REACH-no) 01-2119487289-20                               | < 1      | Acute Tox. 3 (Inhalation), H331<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335                                     |
| Diethylbenzene   | (CAS-No.) 25340-17-4<br>(EC-No.) 246-874-9  | < 1      | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                  |
| naphthalene  | (CAS-No.) 91-20-3<br>(EC-No.) 202-049-5<br>(EC Index-No.) 601-052-00-2<br>(REACH-no) 01-2119561346-37 | <1       | Acute Tox. 4 (Oral), H302<br>Carc. 2, H351<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                      |

Full text of H-statements: see section 16

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#### **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. Take off contaminated clothing. If skin irritation occurs: Get

medical advice/attention.

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 after skin contact : Irritation. Repeated exposure may cause skin dryness or cracking.

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

Hazardous decomposition products in case of fire : Toxic fumes may be released.

# 5.3. Advice for firefighters

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. 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".

# 6.2. Environmental precautions

Avoid release to the environment.

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

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.

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# **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Do not breathe

dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal

protective equipment.

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

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

# 7.3. Specific end use(s)

No additional information available

# **SECTION 8: Exposure controls/personal protection**

# 8.1. Control parameters

| naphthalene (91-20-3)                         |  |  |
|---|--|--|
| EU - Occupational Exposure Limits             |  |  |
| Local name                                    | Naphthalene  |  |
| IOELV TWA (mg/m³)                             | 50 mg/m³   |  |
| IOELV TWA (ppm)                               | 10 ppm   |  |
| Notes   | (Year of adoption 2010)                                |  |
| Regulatory reference                          | COMMISSION DIRECTIVE 91/322/EEC; SCOEL Recommendations |  |
| Ireland - Occupational Exposure Limits        |  |  |
| Local name                                    | Naphthalene  |  |
| OEL (8 hours ref) (mg/m³)                     | 50 mg/m³   |  |
| OEL (8 hours ref) (ppm)                       | 10 ppm   |  |
| Notes (IE)                                    | IOELV (Indicative Occupational Exposure Limit Values)  |  |
| Regulatory reference                          | Chemical Agents Code of Practice 2020                  |  |
| United Kingdom - Occupational Exposure Limits |  |  |
| WEL TWA (mg/m³)                               | 50 mg/m³   |  |

| 2-ethylhexan-1-ol (104-76-7)           |   |  |
|--|---|--|
| EU - Occupational Exposure Limits      |   |  |
| Local name                             | 2-ethylhexan-1-ol                                     |  |
| IOELV TWA (mg/m³)                      | 5,4 mg/m³   |  |
| IOELV TWA (ppm)                        | 1 ppm   |  |
| Regulatory reference                   | COMMISSION DIRECTIVE (EU) 2017/164                    |  |
| Ireland - Occupational Exposure Limits |   |  |
| Local name                             | 2-Ethylhexan-1-ol                                     |  |
| OEL (8 hours ref) (mg/m³)              | 5,4 mg/m³   |  |
| OEL (8 hours ref) (ppm)                | 1 ppm   |  |
| Notes (IE)                             | IOELV (Indicative Occupational Exposure Limit Values) |  |

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| Regulatory reference                          | Chemical Agents Code of Practice 2020 |  |
|---|---------------------------------------|--|
| United Kingdom - Occupational Exposure Limits |                                       |  |
| Local name                                    | 2-ethylhexan-1-ol                     |  |
| WEL TWA (mg/m³)                               | 5,4 mg/m³                             |  |
| WEL TWA (ppm)                                 | 1 ppm                                 |  |
| Regulatory reference                          | EH40/2005 (Fourth edition, 2020). HSE |  |

# 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

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

| Eye protection: |         |                 |          |  |
|-----------------|---------|-----------------|----------|--|
| Safety glasses  |         |                 |          |  |
| Туре            | Use     | Characteristics | Standard |  |
| Safety glasses  | Droplet | clear           | EN 166   |  |

| Skin and body protection:         |  |
|-----------------------------------|--|
| Wear suitable protective clothing |  |

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

# Personal protective equipment symbol(s):





#### **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 : light yellow. Odour : characteristic. Odour threshold : No data available рΗ : No data available Relative evaporation rate (butylacetate=1) : No data available Melting point : Not applicable Freezing point : No data available Boiling point : No data available : 62 °C Flash point Critical temperature : > 200 °C

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Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : Not applicable
Vapour pressure : 100 Pa

Relative vapour density at 20 °C : No data available Relative density : No data available Density : 0,8172 kg/l @20°C Solubility : Water: Insoluble Partition coefficient n-octanol/water (Log Pow) : No data available Viscosity, kinematic : 9,8 mm<sup>2</sup>/s @40°C Viscosity, dynamic : No data available Explosive properties : No data available Oxidising properties : No data available Lower explosive limit (LEL) : 0,6 vol % Upper explosive limit (UEL) : 7 vol %

# 9.2. Other information

VOC content : 84,3 % Refractive index : 1,465

# **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.

#### 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 information**

## 11.1. Information on toxicological effects

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

| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics, benzene <0,1% ((1174522-09-8)) |                             |  |
|---|-----------------------------|--|
| LD50 oral rat > 5000 mg/kg (OESO 401)   |                             |  |
| LD50 dermal rabbit  | > 3160 mg/kg (OESO 402)     |  |
| LC50 inhalation rat (mg/l)  | > 4,951 g/m³ (4h, OESO 403) |  |

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| Hydrocarbons, C10, aromatics, <1% naphthalene |   |  |
|---|---|--|
| LD50 dermal rabbit                            | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |  |

| Solvent naphtha (petroleum), light aromatic (64742-95-6) |                |  |
|--|----------------|--|
| LD50 oral rat  | > 6800 mg/kg   |  |
| LD50 dermal rabbit                                       | > 3400 mg/kg   |  |
| LC50 inhalation rat (mg/l)                               | > 10,2 mg/l/4h |  |

| naphthalene (91-20-3) |              |
|-----------------------|--------------|
| LD50 oral rat         | > 533 mg/kg  |
| LD50 dermal rat       | > 2000 mg/kg |

| Diethylbenzene (25340-17-4) |   |
|-----------------------------|---|
| LD50 dermal rabbit          | > 5000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OPP 81-2 (Acute Dermal Toxicity), Guideline: other:TSCA (Toxic Substances Control Act): Health Effects Test Guidelines; Office of Toxic Substances; Offile of Pestlcldes and Toxic Substances; United States Environmental Protection Agency, August 1982; Acute Exposure, Demai Toxicity. |

| 2-ethylhexan-1-ol (104-76-7)            |  |
|---|--|
| LD50 oral rat                           | ≈ 2047 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 dermal rat                         | 3000 mg/kg   |
| LC50 inhalation rat (Vapours - mg/l/4h) | > 0,89 mg/l/4h   |

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

| Diethylbenzene (25340-17-4) |  |
|-----------------------------|--|
| NOAEL (animal/male, F0/P)   | 30 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |

STOT-single exposure : Not classified STOT-repeated exposure : Not classified

| Hydrocarbons, C10, aromatics, <1% naphthalene |   |
|---|---|
| NOAEL (oral, rat, 90 days)                    | 300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-<br>Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity) |

| 2-ethylhexan-1-ol (104-76-7)          |   |
|---------------------------------------|---|
| NOAEL (oral, rat, 90 days)            | 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-<br>Day Oral Toxicity in Rodents) |
| NOAEC (inhalation, rat, gas, 90 days) | 120 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)                   |

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

| E10 Fuel Fighter     |                 |
|----------------------|-----------------|
| Viscosity, kinematic | 9,8 mm²/s @40°C |

# **SECTION 12: Ecological information**

# 12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

: Not classified

Hazardous to the aquatic environment, short-term

(acute)

Hazardous to the aquatic environment, long-term

(chronic)

Not rapidly degradable

: Harmful to aquatic life with long lasting effects.

| E10 Fuel Fighter |                              |
|------------------|------------------------------|
| LC50 fish        | 15,1 mg/l (calculated value) |

| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics, benzene <0,1% ((1174522-09-8)) |  |
|---|--|
| LC50 fish   | > 1001 mg/l (OECD 203 method)                        |
| EC50 Daphnia  | > 1000 mg/l (OECD 202 method)                        |
| EC50 72h algae (1)  | W 1000 mg/l (OECD 201 method)                        |
| ErC50 (algae)   | 1000 mg/l (Pseudokirhneriella subcapitata, EL0, 72h) |

| naphthalene (91-20-3) |                             |
|-----------------------|-----------------------------|
| LC50 fish             | 0,51 mg/l 96h               |
| EC50 Daphnia          | 3,4 mg/l Dapnia magna - 48h |

| Diethylbenzene (25340-17-4) |   |
|-----------------------------|---|
| EC50 Daphnia                | 2,01 mg/l Test organisms (species): Daphnia magna |

| 2-ethylhexan-1-ol (104-76-7) |  |
|------------------------------|--|
| LC50 fish                    | 28,2 mg/l Test organisms (species): Pimephales promelas  |
| LC50 fish                    | 17,1 mg/l Test organisms (species): Leuciscus idus melanotus   |
| EC50 Daphnia                 | 39 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h algae (1)           | 11,5 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| EC50 72h algae (2)           | 16,6 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |

# 12.2. Persistence and degradability

| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics, benzene <0,1% ((1174522-09-8)) |                        |
|---|------------------------|
| Persistence and degradability   | Readily biodegradable. |
| Biodegradation  | 80 % (28d)             |

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## 12.3. Bioaccumulative potential

## Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics, benzene <0,1% ((1174522-09-8))

Partition coefficient n-octanol/water (Log Pow) 5,57 – 6,62

#### naphthalene (91-20-3)

Partition coefficient n-octanol/water (Log Pow) 3,01

## 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

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

European List of Waste (LoW) code

: 14 06 03\* - other solvents and solvent mixtures

## **SECTION 14: Transport information**

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

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

# 14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

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#### Rail transport

Not regulated

# 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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content : 84,3 %

#### 15.1.2. National regulations

No additional information available

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

# **SECTION 16: Other information**

| Indication of changes: |  |          |          |  |
|------------------------|--|----------|----------|--|
| Section                | Changed item                           | Change   | Comments |  |
| 3                      | Composition/information on ingredients | Modified |          |  |
| 12.1                   | LC50 fish                              | 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   |
| BLV                         | Biological limit value  |
| CAS-No.                     | Chemical Abstract Service number  |
| CLP                         | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                     |
| DMEL                        | Derived Minimal Effect level  |
| DNEL                        | Derived-No Effect Level   |
| EC50                        | Median effective concentration  |
| EC-No.                      | European Community number   |
| EN                          | European Standard   |
| IATA                        | International Air Transport Association   |
| IMDG                        | International Maritime Dangerous Goods  |
| LC50                        | Median lethal concentration   |

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| 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  |
| OEL   | Occupational Exposure Limit   |
| PBT   | Persistent Bioaccumulative Toxic  |
| PNEC  | Predicted No-Effect Concentration   |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID   | Regulations concerning the International Carriage of Dangerous Goods by Rail                      |
| SDS   | Safety Data Sheet   |
| vPvB  | Very Persistent and Very Bioaccumulative  |
| WGK   | Water Hazard Class  |

| Full text of H- and EUH-statements |  |
|------------------------------------|--|
| Acute Tox. 3 (Inhalation)          | Acute toxicity (inhal.), Category 3  |
| Acute Tox. 4 (Inhalation:vapour)   | Acute toxicity (inhalation:vapour) Category 4  |
| Acute Tox. 4 (Oral)                | Acute toxicity (oral), Category 4  |
| Aquatic Acute 1                    | Hazardous to the aquatic environment — Acute Hazard, Category 1                            |
| Aquatic Chronic 1                  | Hazardous to the aquatic environment — Chronic Hazard, Category 1                          |
| Aquatic Chronic 2                  | Hazardous to the aquatic environment — Chronic Hazard, Category 2                          |
| Asp. Tox. 1                        | Aspiration hazard, Category 1  |
| Carc. 2                            | Carcinogenicity, Category 2  |
| EUH066                             |  |
| Eye Irrit. 2                       | Serious eye damage/eye irritation, Category 2  |
| Flam. Liq. 3                       | Flammable liquids, Category 3  |
| Skin Irrit. 2                      | Skin corrosion/irritation, Category 2  |
| STOT SE 3                          | Specific target organ toxicity — Single exposure, Category 3, Narcosis                     |
| STOT SE 3                          | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H226                               | Flammable liquid and vapour.   |
| H302                               | Harmful if swallowed.  |
| H304                               | May be fatal if swallowed and enters airways.  |
| H315                               | Causes skin irritation.  |
| H319                               | Causes serious eye irritation.   |
| H331                               | Toxic if inhaled.  |
| H332                               | Harmful if inhaled.  |
| H335                               | May cause respiratory irritation.  |
| H336                               | May cause drowsiness or dizziness.   |
| H351                               | Suspected of causing cancer.   |
| H400                               | Very toxic to aquatic life.  |
| H410                               | Very toxic to aquatic life with long lasting effects.                                      |

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| H411   | Toxic to aquatic life with long lasting effects.      |  |
|--------|---|--|
| H412   | Harmful to aquatic life with long lasting effects.    |  |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |  |

SDS EU (REACH Annex II)

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.