

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Reference number: Periodic review of SDS 31/08/2024 Issue date: 03/04/2017 Revision date: 31/08/2021 Supersedes version of: 05/09/2019 Version: 1.2

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

1.1. Product identifier

Product form : Mixture

Product name : Waterline Cleaner

Product code : WP 1622

Type of product : Mixture containing mainly :Mineral acids,Organic solvents

Product group : Blend

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

1.2.1. Relevant identified uses

No additional information available

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Wessex Chemical Factors Ltd

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United Kingdom

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www.wessexchemicalfactors.co.uk

E-mail address of competent person responsible for the SDS: info@wessexchemicalfactors.co.uk

1.4. Emergency telephone number

Emergency number : +44 (0) 1202 823 699 (Office hours only 9am - 5pm Monday - Thursday, 9am - 4pm Friday.)

+44 (0) 7973629367 (Out of hours emergency number)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319

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

Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye irritation.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning

Hazard statements (CLP) : H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

Precautionary statements (CLP) : P264 - Wash hands thoroughly after handling.

P280 - Wear eye protection, protective gloves. P302+P352 - IF ON SKIN: Wash with plenty of water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

Safety Data Sheet

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

contact lenses, if present and easy to do. Continue rinsing.

P321 - Specific treatment (see supplemental first aid instruction on this label).

P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse.

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] |
|--|--|---------|---|
| phosphoric acid 81%, orthophosphoric acid 81% substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit (Note B) | CAS-No.: 7664-38-2 EC-No.: 231-633-2 EC Index-No.: 015-011-00-6 REACH-no: 01-2119485924- 24-XXXX | 10 – 15 | Met. Corr. 1, H290 Skin Corr. 1B, H314 |
| ethanol; ethyl alcohol | CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 | 0.1 – 3 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 |
| propan-2-ol; isopropyl alcohol; isopropanol | CAS-No.: 67-63-0 EC-No.: 200-661-7 EC Index-No.: 603-117-00-0 REACH-no: 01-2119457558- 25-XXXX | 0.1 – 1 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 |

| Specific concentration limits: | | |
|---|--|---|
| Name | Product identifier | Specific concentration limits |
| phosphoric acid 81%, orthophosphoric acid 81% | CAS-No.: 7664-38-2 EC-No.: 231-633-2 EC Index-No.: 015-011-00-6 REACH-no: 01-2119485924- 24-XXXX | (10 ≤C < 25) Eye Irrit. 2, H319 (10 ≤C < 25) Skin Irrit. 2, H315 (25 ≤C < 100) Skin Corr. 1B, H314 |

Note B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

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 after inhalation
First-aid measures after skin contact

- : Remove person to fresh air and keep comfortable for breathing.
- : 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 cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

31/08/2021 (Revision date) GB - en 2/12

Safety Data Sheet

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

First-aid measures after ingestion : Rinse mouth. Call a physician immediately.

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

Symptoms/effects after skin contact : Irritation.
Symptoms/effects after eye contact : Eye irritation.

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. Carbon dioxide. Alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

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

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. 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 : Absorb and/or contain spill with inert material (vermiculite), then place in suitable container.

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

Precautions for safe handling : Ensure good ventilation of the work station. 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 in a well-ventilated place. Keep cool.

Incompatible products : alkaline products.

31/08/2021 (Revision date) GB - en 3/12

Safety Data Sheet

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

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

| phosphoric acid 81%, orthophosphoric acid 81% (7664-38-2) | | |
|---|---------------------------------------|--|
| EU - Indicative Occupational Exposure Limit (IOEL) | | |
| Local name | Orthophosphoric acid | |
| IOEL TWA | 1 mg/m³ | |
| IOEL STEL | 2 mg/m³ | |
| Regulatory reference | COMMISSION DIRECTIVE 2000/39/EC | |
| United Kingdom - Occupational Exposure Limit | s | |
| Local name | Orthophosphoric acid | |
| WEL TWA (OEL TWA) [1] | 1 mg/m³ | |
| WEL STEL (OEL STEL) | 2 mg/m³ | |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE | |
| ethanol; ethyl alcohol (64-17-5) | | |
| United Kingdom - Occupational Exposure Limit | s | |
| Local name | Ethanol | |
| WEL TWA (OEL TWA) [1] | 1920 mg/m³ | |
| WEL TWA (OEL TWA) [2] | 1000 ppm | |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE | |
| propan-2-ol; isopropyl alcohol; isopropanol (67-63-0) | | |
| United Kingdom - Occupational Exposure Limits | | |
| Local name | Propan-2-ol | |
| WEL TWA (OEL TWA) [1] | 999 mg/m³ | |
| WEL TWA (OEL TWA) [2] | 400 ppm | |
| WEL STEL (OEL STEL) | 1250 mg/m³ | |
| WEL STEL (OEL STEL) [ppm] | 500 ppm | |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE | |

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

8.1.5. Control banding

No additional information available

Safety Data Sheet

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

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:

Safety glasses. Gloves.

Personal protective equipment symbol(s):





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

Odour threshold

8.2.2.3. Respiratory protection

Respiratory protection:

No special protection required where adequate ventilation is maintained

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

pH : Acidic

pH solution : 1

Relative evaporation rate (butylacetate=1) : No data available Melting point : Not applicable Freezing point : No data available Boiling point : No data available

Flash point : > 60 °C

: No data available Auto-ignition temperature : No data available Decomposition temperature Flammability (solid, gas) : Not applicable Vapour pressure : No data available Relative vapour density at 20 °C No data available Relative density No data available Density 1.057 g/cm³ Solubility soluble in water. Partition coefficient n-octanol/water (Log Pow) No data available

: No data available

Safety Data Sheet

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

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.

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

Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. When heated to decomposition, emits toxic fumes.

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

phosphoric acid 81%, orthophosphoric acid 81% (7664-38-2) LD50 oral rat 2600 mg/kg bodyweight ethanol; ethyl alcohol (64-17-5) LD50 oral rat 10470 mg/kg LD50 oral 3450 mg/kg (Mouse) LD50 dermal rat 15800 mg/kg LC50 Inhalation - Rat 51 - 55 mg/l/4h LC50 Inhalation - Rat (Vapours) 124.7 mg/l/4h propan-2-ol; isopropyl alcohol; isopropanol (67-63-0) LD50 oral rat 5045 mg/kg LD50 dermal rabbit 12800 mg/kg LC50, male, female, Inhalation, rat > 10000 ppm (6 Hours, (OECD 403 method))

Safety Data Sheet

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

Skin corrosion/irritation : Causes skin irritation.

pH: Acidic

Serious eye damage/irritation : Causes serious eye irritation.

pH: Acidic

Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified

propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)

STOT-single exposure May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified Aspiration hazard : Not classified

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

(chronic)

: Not classified

| phosphoric acid 81%, orthophosphoric acid 81% (7664-38-2) | | |
|---|--|--|
| LC50 - Fish [1] | 3 – 3.25 mg/l Bluegill, (Lepomis macrochirus) | |
| EC50 - Crustacea [1] | > 100 mg/l | |
| ErC50 algae | > 100 mg/l | |
| TLM - Fish [1] | 138 ppm Western mosquitofish (Gambusia affinis) | |
| ethanol; ethyl alcohol (64-17-5) | | |
| LC50 - Fish [1] | 13000 mg/l Oncorhynchus mykiss (Rainbow trout) | |
| LC50 - Fish [2] | 14200 mg/l Pimephales promelas (Fat-head Minnow) | |
| EC50 - Crustacea [1] | 12340 mg/l | |
| EC50 72h - Algae [1] | 275 mg/l Chlorella vulgaris | |
| NOEC chronic crustacea | 9.6 mg/l Daphnia magna | |
| EC50, algae, Selenastrum capricornutum | > 100 mg/l (48 Hours) | |
| propan-2-ol; isopropyl alcohol; isopropanol (6 | 67-63-0) | |
| LC50 - Fish [1] | 9640 mg/l Fathead minnow (Pimephales promelas) | |
| EC50 72h - Algae [1] | > 1000 mg/l (Desmodesmus subspicatus) | |
| EC50, daphnia, short term | 9714 mg/l (24 Hours, (OECD 202 method)) | |
| EC5, microorganisms, Pseudomonas putida | 1050 mg/l (16 Hours) | |

12.2. Persistence and degradability

| phosphoric acid 81%, orthophosphoric acid 81% (7664-38-2) | |
|---|------------------------|
| Persistence and degradability | Readily biodegradable. |

Safety Data Sheet

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

| ethanol; ethyl alcohol (64-17-5) | | |
|---|------------------------------------|--|
| Persistence and degradability | Readily biodegradable. | |
| Biochemical oxygen demand (BOD) | $0.8 - 0.967$ g O_2 /g substance | |
| Chemical oxygen demand (COD) | 1.7 g O ₂ /g substance | |
| ThOD | 2.1 g O ₂ /g substance | |
| BOD (% of ThOD) | 37.74 % ThOD | |
| Biodegradation | 84 % 20 days | |
| propan-2-ol; isopropyl alcohol; isopropanol (67-63-0) | | |
| Persistence and degradability | Readily biodegradable. | |

12.3. Bioaccumulative potential

| phosphoric acid 81%, orthophosphoric acid 81% (7664-38-2) | | | |
|--|----------------------------------|--|--|
| Bioaccumulative potential No bioaccumulation data available. | | | |
| ethanol; ethyl alcohol (64-17-5) | ethanol; ethyl alcohol (64-17-5) | | |
| Partition coefficient n-octanol/water (Log Pow) -0.32 | | | |
| Bioaccumulative potential Low. | | | |
| propan-2-ol; isopropyl alcohol; isopropanol (67-63-0) | | | |
| Partition coefficient n-octanol/water (Log Pow) 0.05 | | | |
| Bioaccumulative potential | No bioaccumulation. | | |

12.4. Mobility in soil

| phosphoric acid 81%, orthophosphoric acid 81% (7664-38-2) | | |
|---|---|--|
| Ecology - soil Product adsorbs onto the soil. | | |
| ethanol; ethyl alcohol (64-17-5) | | |
| Surface tension | 24.5 mN/m | |
| Ecology - soil | Product evaporates when in contact with the air. | |
| propan-2-ol; isopropyl alcohol; isopropanol (67-63-0) | | |
| Surface tension | 22.7 mN/m | |
| Ecology - soil | Very mobile. Soluble material/quickly disperses in water. | |

12.5. Results of PBT and vPvB assessment

| Component | |
|---|--|
| phosphoric acid 81%, orthophosphoric acid 81% (7664-38-2) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| ethanol; ethyl alcohol (64-17-5) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| propan-2-ol; isopropyl alcohol; isopropanol (67-63-0) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

12.6. Other adverse effects

Other adverse effects

: Before neutralisation the acidity of the product may represent a danger to aquatic organisms.

Safety Data Sheet

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

Product/Packaging disposal recommendations : Dispose of contents/container to a hazardous or special waste collection point.

SECTION 14: Transport information

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

| ADR | IMDG | IATA | ADN | RID |
|--|--|---|--|--|
| 14.1. UN number | | | | |
| UN 1805 | UN 1805 | UN 1805 | UN 1805 | UN 1805 |
| 14.2. UN proper shippin | g name | | | |
| PHOSPHORIC ACID, SOLUTION | PHOSPHORIC ACID SOLUTION | Phosphoric acid, solution | PHOSPHORIC ACID, SOLUTION | PHOSPHORIC ACID, SOLUTION |
| Transport document descr | iption | | | |
| UN 1805 PHOSPHORIC ACID, SOLUTION, 8, III, (E) | UN 1805 PHOSPHORIC ACID SOLUTION, 8, III | UN 1805 Phosphoric acid, solution, 8, III | UN 1805 PHOSPHORIC ACID, SOLUTION, 8, III | UN 1805 PHOSPHORIC ACID, SOLUTION, 8, III |
| 14.3. Transport hazard | class(es) | | | |
| 8 | 8 | 8 | 8 | 8 |
| 8 | 8 | 8 | 8 | 8 |
| 14.4. Packing group | | | | |
| III | III | III | III | III |
| 14.5. Environmental haz | ards | | | |
| Dangerous for the environment: No | Dangerous for the environment: No Marine pollutant: No | Dangerous for the environment: No | Dangerous for the environment: No | Dangerous for the environment: No |

14.6. Special precautions for user

Overland transport

Classification code (ADR) : C1
Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T4
Portable tank and bulk container special provisions : TP1

(ADR)

Tank code (ADR) : L4BN
Vehicle for tank carriage : AT
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Hazard identification number (Kemler No.) : 80

Safety Data Sheet

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

Orange plates :

80 1805

Tunnel restriction code (ADR) : E EAC code : 2R

Transport by sea

: 223 Special provisions (IMDG) Packing instructions (IMDG) : P001, LP01 IBC packing instructions (IMDG) : IBC03 Tank instructions (IMDG) : T4 Tank special provisions (IMDG) : TP1 EmS-No. (Fire) : F-A EmS-No. (Spillage) : S-B Stowage category (IMDG) : A

Properties and observations (IMDG) : Miscible in water. Mildly corrosive to most metals.

Air transport

PCA Excepted quantities (IATA) : E1 PCA Limited quantities (IATA) : Y841 PCA limited quantity max net quantity (IATA) : 1L PCA packing instructions (IATA) : 852 PCA max net quantity (IATA) : 5L CAO packing instructions (IATA) : 856 CAO max net quantity (IATA) : 60L Special provisions (IATA) : A3, A803 ERG code (IATA) : 8L

Inland waterway transport

Classification code (ADN) : C1
Limited quantities (ADN) : 5 L

Excepted quantities (ADN) : E1

Carriage permitted (ADN) : T

Equipment required (ADN) : PP, EP

Number of blue cones/lights (ADN) : 0

Rail transport

Classification code (RID) : C1
Limited quantities (RID) : 5L
Excepted quantities (RID) : E1

Packing instructions (RID) : P001, IBC03, LP01, R001

Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T4
Portable tank and bulk container special provisions : TP1

(RID)

Tank codes for RID tanks (RID) : L4BN
Special provisions for RID tanks (RID) : TU42
Transport category (RID) : 3
Special provisions for carriage – Packages (RID) : W12
Colis express (express parcels) (RID) : CE8
Hazard identification number (RID) : 80

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

Safety Data Sheet

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

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

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

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

| Abbreviations and acr | onyms: |
|-----------------------|---|
| 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 |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| EC50 | Median effective concentration |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| NOEC | No-Observed Effect Concentration |
| PBT | Persistent Bioaccumulative Toxic |
| 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 |
| TLM | Median Tolerance Limit |
| vPvB | Very Persistent and Very Bioaccumulative |

| Full text of H- and EUH-statements: | |
|-------------------------------------|---|
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| H225 | Highly flammable liquid and vapour. |
| H290 | May be corrosive to metals. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |

Safety Data Sheet

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

| Full text of H- and EUH-statements: | |
|-------------------------------------|--|
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| Met. Corr. 1 | Corrosive to metals, Category 1 |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Narcosis |

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.