



SAFETY DATA SHEET

SAFETY DATA SHEET COVER PAGE: 11 Page SDS attached

NEW ZEALAND DISTRIBUTION

PRODUCT NAME: TX RAZOR PREMIUM 2T

Applies to SDS: TX RAZOR PREMIUM 2T

Rebrand of eni I-RIDE MOTO 2T

V 2.1, 28/02/2014

SECTION 1: Identification of the Substance/Preparation and of the Supplier

| | |
|----------------------------------|--|
| Identification of the substance: | TX Razor Premium 2T (eni i-Ride Moto 2T) |
| Type of product and use: | Lubricating oil |
| Company Identification: | |
| Supplier: | TransDiesel Ltd |
| Street Address: | 533 Halswell Junction Rd, Hornby, Christchurch 8042 |
| Telephone: | +64 3-349 8738 8.00 am to 5.00 pm, Monday to Friday |
| New Zealand Poisons Centre | 0800 POISON (764 766) 24 hours everyday |

Approval Number: HSR002605

Storage & Segregation Requirements:

-
- Storage conditions :
 - Store in dry, well-ventilated area.
 - Keep away from open flames, hot surfaces and sources of ignition.
 - Do not smoke. Incompatible products :
 - Keep away from: strong oxidants.
 - Storage temperature : Ambient

Substance State: Liquid

Hazard Classifications: 6.1E, 6.3A, 9.1D

Cover Sheet dated: November 27, 2018



eni i-Ride Moto 2T

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Revision date: 28/02/2014

Version: 2.1

Supersedes: 20/02/2013

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

1.1. Product identifier

Product form : Mixture
Trade name : eni i-Ride Moto 2T
EC index no : N/A
EC no : N/A
CAS No : N/A
REACH registration No : N/A
Product code : 1544
Formula : 0029-2011
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

Industrial/Professional use spec : Wide dispersive use

Use of the substance/mixture : Lubricant for two-stroke engines

Do not use the product for any purposes that have not been advised by the manufacturer. In that case, the user could be exposed to unpredictable risks.

Function or use category : Lubricants and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

ENI S.p.A.

P.le E. Mattei 1 - 00144 ROMA Italy

Tel (+39) 06 59821

www.eni.com

Contact:

Refining & Marketing Division

Via Laurentina 449 00142 ROMA Italy

Tel (+39) 06 59881 Fax (+39) 06 59885700

Competent person responsible for the Safety Data Sheet (Reg. EC nr. 1907/2006): qual-t@eni.com

1.4. Emergency telephone number

Emergency number : CNIT +39 0382 24444 (24h) (IT + EN)

Poison centre (UK):
National Poisons Information Service Edinburgh (24h)
(+44) 844 892 0111
0870 600 6266 (UK only)
(Source: UN-WHO)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

Adverse physicochemical, human health and environmental effects

Prolonged and repeated skin contact may cause reddening, irritation and dermatitis, due to a defatting effect. For specific information about the toxicological/ecotoxicological properties and classification of this product, see Sect. 11 and/or Sect. 12.

2.2. Label elements

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

Other:

General advice : "Use suitable gloves when handling product. Dispose of used/leftover product and package properly. Protect the environment."

2.3. Other hazards (not relevant for classification)

| | |
|-------------------|---|
| Physical/chemical | : This product is combustible, but not classified as Flammable. The creation of flammable vapour mixtures takes place at temperatures which are higher than normal ambient levels. |
| Health | : Any material in case of accidents involving pressurized circuits and the like, may be accidentally injected under the skin, even without external damage. In such a case, the victim should be brought to an hospital as soon as possible, to get specialized medical treatment.,Do not wait for symptoms to develop. |
| Environment | : None. |
| Contaminants | : None. |

This substance/mixture does not meet the PBT criteria of REACH, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH, annex XIII.

SECTION 3: Composition/information on ingredients**3.1. Substances**

Not applicable

3.2. Mixture

Composition/information on ingredients : Synthetic base oil
 Synthetic base stock (ester)
 Petroleum distillates
 Mineral base oil, severely refined (Diluent for additives)
 Additives

All the mineral base oils contained in this product have a value < 3 % wt of DMSO extract, according to IP 346/92 (Nota L - Dir. 94/69/CE - Reg (CE) 1272/2008)

Hazardous ingredients and/or with relevant occupational exposure limits : See table,

,The substances identified as "IMPURITY" are impurities and/or secondary reaction products in the components, and are not added deliberately to the final product.

| Name | Product identifier | % | Classification according to Directive 67/548/EEC |
|--|---|-------------|--|
| Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclics < 2% aromatics (Component) | (CAS No) N/A (EC no) 926-141-6 (EC index no) N/A (REACH-no) 01-2119456620-43 | 24,9 - 29,9 | Xn; R65 R66 |
| Mineral base oil, severely refined (Component) | | 3 - 4,99 | Not classified |
| Phenol, dodecyl-, branched, sulfurized (Additive) | (CAS No) 96152-43-1 (EC no) 306-115-5 (EC index no) N/A (REACH-no) 01-2119524001-62 | 0,99 - 1,49 | R53 |
| Dodecylphenol, mixed isomers, branched (IMPURITY) | (CAS No) 121158-58-5 (EC no) 310-154-3 (EC index no) N/A (REACH-no) 01-2119513207-49 | 0,49 - 0,99 | Repr. Cat.3; R62 Xi; R36/38 N; R50/53 |
| Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased (Additive) | (CAS No) 68784-26-9 (EC no) 272-234-3 (EC index no) N/A (REACH-no) 01-2119524004-56 | 0,3 - 0,99 | R53 |

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|--|-------------|---|
| Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclics < 2% aromatics (Component) | (CAS No) N/A (EC no) 926-141-6 (EC index no) N/A (REACH-no) 01-2119456620-43 | 24,9 - 29,9 | Asp. Tox. 1, H304 |
| Mineral base oil, severely refined (Component) | | 3 - 4,99 | Not classified |
| Phenol, dodecyl-, branched, sulfurized (Additive) | (CAS No) 96152-43-1 (EC no) 306-115-5 (EC index no) N/A (REACH-no) 01-2119524001-62 | 0,99 - 1,49 | Aquatic Chronic 4, H413 |

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|-------------|---|
| Dodecylphenol, mixed isomers, branched (IMPURITY) | (CAS No) 121158-58-5 (EC no) 310-154-3 (EC index no) N/A (REACH-no) 01-2119513207-49 | 0,49 - 0,99 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361f Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased (Additive) | (CAS No) 68784-26-9 (EC no) 272-234-3 (EC index no) N/A (REACH-no) 01-2119524004-56 | 0,3 - 0,99 | Aquatic Chronic 4, H413 |

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

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|---|
| First-aid measures general | : In case of spontaneous vomiting, transport the victim to a hospital, to verify the possibility that the product has been aspirated into the lungs. |
| First-aid measures after inhalation | : In case of disturbances owing to inhalation of vapours or mists, remove the victim from exposure; keep at rest; if necessary, seek medical attention. |
| First-aid measures after skin contact | : Take off contaminated clothing and shoes. Wash thoroughly with soap and water. If inflammation or irritation persists, seek medical advice. |
| First-aid measures after eye contact | : Rinse eyes thoroughly for at least 15 minutes. Keep eyelids well apart. If irritation persists, seek medical advice. |
| First-aid measures after ingestion | : Do not induce vomiting to avoid aspiration into the lungs. If the person is conscious, rinse mouth with water without swallowing. Keep at rest. Call for medical assistance or bring to a hospital. If the casualty is unconscious, place in the recovery position. In case of spontaneous vomiting, keep head low, to avoid the risk of aspiration into the lungs. Do not give anything by mouth to an unconscious person. |

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

| | |
|---|---|
| Symptoms / injuries (general indications) | : Prolonged and repeated skin contact may cause reddening, irritation and dermatitis, due to a defatting effect. |
| Symptoms/injuries after inhalation | : This product has a low vapour pressure, and in normal conditions at ambient temperature the concentration in the air is negligible. A significant concentration may build up only if the product is used at high temperature, or in case of sprays and mists. In these cases overexposure to vapours may cause irritation to airways, nausea and dizziness. |
| Symptoms/injuries after skin contact | : Prolonged and repeated skin contact may cause reddening, irritation and dermatitis, due to a defatting effect. |
| Symptoms/injuries after eye contact | : Contact with eyes may cause a light transient irritation. |
| Symptoms/injuries after ingestion | : Accidental ingestion of small quantities of the product may cause irritation, nausea and gastric disturbances. Taking into account the taste of the product, however, ingestion of dangerous quantities is very unlikely. |
| Symptoms/injuries upon intravenous administration | : No information available. |
| Chronic symptoms | : None to be reported, according to our present knowledge. |

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

If necessary, drain stomach by gastric lavage ONLY under qualified medical supervision.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Small-size fires: carbon dioxide, dry chemicals, foam, sand or earth. Large fires: foam or water fog (mist). These means should be used by trained personnel only. Other extinguishing gases (according to regulations).
- Unsuitable extinguishing media : Do not use water jets. They could cause splattering, and spread the fire. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : This product is combustible, but not classified as Flammable. The creation of flammable vapour mixtures takes place at temperatures which are higher than normal ambient levels.
- Explosion hazard : In case of losses from pressurized circuits, the sprays may form mists. Take into account that in this case the lower explosion limit for mists is about 45 g/m³ of air.
- Combustion products : Incomplete combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates, gases, including carbon monoxide, NO_x, H₂S and SO_x, Oxygenated compounds (aldehydes, etc.), CaO_x

5.3. Advice for firefighters

- Firefighting instructions : Shut off source of product, if possible. If possible, move containers and drums away from danger area. Spilled product which is not burning should be covered with sand or foam. Use water sprays to cool containers and surfaces exposed to the flames. If the fire cannot be controlled, evacuate area.
- Special protective equipment for firefighters : Personal protection equipment for firefighters (see also sect. 8). Self-contained breathing apparatus.
- Other information : In case of fire, do not discharge residual product, waste materials and runoff water: collect separately and use a proper treatment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Stop or contain leak at the source, if safe to do so. Eliminate all ignition sources if safe to do so (e.g. electricity, sparks, fires, flares). Avoid direct contact with released material. Avoid accidental sprays on hot surfaces or electrical contacts. Keep upwind.

6.1.1. For non-emergency personnel

- Protective equipment : See Section 8.
- Emergency procedures : Keep non-involved personnel away from the area of spillage. Alert emergency personnel. Except in case of small spillages, the feasibility of any actions should always be assessed and advised, if possible, by a trained, competent person in charge of managing the emergency.

6.1.2. For emergency responders

Protective equipment

: Small spillages: normal antistatic working clothes are usually adequate. Large spillages: full body suit of chemically resistant and antistatic material. Work gloves providing adequate chemical resistance, specifically to aromatic hydrocarbons. Gloves made of PVA are not water-resistant, and are not suitable for emergency use. Antistatic non-skid safety shoes or boots. Goggles and /or face shield, if splashes or contact with eyes is possible or anticipated. Work helmet. Respiratory protection: If the situation cannot be completely assessed, or if an oxygen deficiency is possible, only SCBA's should be used. a half or full-face respirator with filter(s) for organic vapours (AX), or a Self-contained Breathing Apparatus (SCBA) can be used according to the extent of spill and predictable amount of exposure.

Emergency procedures

: Notify local authorities according to relevant regulations.

6.2. Environmental precautions

Do not let the product accumulate in confined or underground spaces. Do not let the product flow into sewers or water courses, or in any way contaminate the environment. In case of contamination of environment compartments (soil, subsoil, surface or underground waters), remove contaminated soil when possible, and in any case treat all involved compartments in accordance with local regulations. The site should have a spill plan to ensure that adequate safeguards are in place to minimize the impact of episodic releases.

6.3. Methods and material for containment and cleaning up

For containment

: Soil. Contain spilled liquid with sand, earth or other suitable absorbents (non-flammable). Recover free liquid and waste materials in suitable waterproof and oil-resistant containers. Clean contaminated area. Dispose of according to local regulations. Large spillages may be cautiously covered with foam, if available, to limit fire risk. Do not use direct jets. When inside buildings or confined spaces, ensure adequate ventilation. Water: In case of small spillages in closed waters, contain product with floating barriers or other equipment. If possible, large spillages in open waters should be contained with floating barriers or other suitable mechanical means. Collect recovered product and other materials in suitable tanks or containers for recovery or safe disposal. Dispose of in accordance with relevant local regulations. Do not use solvents or dispersants, unless specifically advised by an expert, and, if required, approved by local authorities.

Other information

: Recommended measures are based on the most likely spillage scenarios for this material; however, local conditions (wind, air temperature, wave/current direction and speed) may significantly influence the choice of appropriate actions. Local regulations may also prescribe or limit actions to be taken. For this reason, local experts should be consulted when necessary.

6.4. Reference to other sections

For more information regarding protective equipment see section " Exposure control/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: Ensure that all relevant regulations regarding handling and storage facilities of flammable products are followed. Do not use compressed air for filling, discharging, or handling operations. Keep away from heat/sparks/open flames/hot surfaces. Use and store only outdoors or in a well-ventilated area. During transfer and mixing operations, ensure that all equipment is correctly grounded. Avoid the build-up of electric charges. Before entering storage tanks and commencing any operation in a confined area (e.g. tunnels), carry out an adequate clean-up, and check the atmosphere for oxygen content and flammability. Emptied containers can contain combustible product residues. Do not cut, weld, drill, burn or incinerate empty containers or drums, unless they have been drained and cleaned.

| | |
|----------------------|---|
| Handling temperature | : 0 - 65 °C |
| Hygiene measures | : Avoid contact with skin. Do not breathe fume/ mist/ vapours. Do not ingest. Do not smoke. Do not eat and do not drink during use. Do not clean hands with dirty or oil-soaked rags. Do not re-use clothes, if they are still contaminated. Keep away from food and beverages. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|--------------------------|---|
| Storage conditions | : Store in dry, well ventilated area. Keep away from open flames, hot surfaces and sources of ignition. Do not smoke. |
| Incompatible products | : Keep away from: strong oxidants. |
| Storage temperature | : 0 - 55 °C |
| Storage area | : Storage area layout, tank design, equipment and operating procedures must comply with the relevant European, national or local legislation. Storage installations should be designed with adequate bunds so as to prevent ground and water pollution in case of leaks or spills. Cleaning, inspection and maintenance of internal structure of storage tanks must be done only by properly equipped and qualified personnel as defined by national, local or company regulations. |
| Packages and containers: | : If the product is supplied in containers: Keep containers tightly closed and properly labelled. Keep only in the original container or in a suitable container for this kind of product. |
| Packaging materials | : For containers, or container linings use materials specifically approved for use with this product. Recommended materials for containers, or container linings use mild steel, stainless steel. Some synthetic materials may be unsuitable for containers or container linings depending on the material specification and intended use. Compatibility should be checked with the manufacturer. |

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Mineral base oil, severely refined | | |
|------------------------------------|---------------------------------------|--|
| Austria | MAK (mg/m ³) | 5 mg/m ³ (Mineral base oil mist, severely refined, DMSO <3% m/m) |
| Belgium | Limit value (mg/m ³) | 5 mg/m ³ (Mineral base oil mist, severely refined, DMSO <3% m/m) |
| Italy - Portugal - USA ACGIH | ACGIH TLV®-TWA (mg/m ³) | 5 mg/m ³ (Mineral base oil mist, severely refined, DMSO <3% m/m) |
| Italy - Portugal - USA ACGIH | ACGIH TLV®-STEL (mg/m ³) | 10 mg/m ³ (Mineral base oil mist, severely refined, DMSO <3% m/m) |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 5 mg/m ³ (Mineral base oil mist, severely refined, DMSO <3% m/m) |
| USA NIOSH | NIOSH REL (STEL) (mg/m ³) | 10 mg/m ³ (Mineral base oil mist, severely refined, DMSO <3% m/m) |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 5 mg/m ³ (Mineral base oil mist, severely refined, DMSO <3% m/m) |
| Spain | VLA-ED (mg/m ³) | 5 mg/m ³ (Mineral base oil mist, severely refined, DMSO <3% m/m) |

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Product code: 1544

Revision date: 28/02/2014

Version: 2.1

| Mineral base oil, severely refined | | |
|------------------------------------|--|--|
| Spain | VLA-EC (mg/m ³) | 10 mg/m ³ (Mineral base oil mist, severely refined, DMSO <3% m/m) |
| The Netherlands | MAC TGG 8h (mg/m ³) | 5 mg/m ³ (Mineral base oil mist, severely refined, DMSO <3% m/m) |
| United Kingdom | WEL TWA (mg/m ³) | 5 mg/m ³ (Mineral base oil mist, severely refined, DMSO <3% m/m) |
| United Kingdom | WEL STEL (mg/m ³) | 10 mg/m ³ (Mineral base oil mist, severely refined, DMSO <3% m/m) |
| Denmark | Grænseværdi (langvarig) (mg/m ³) | 1 mg/m ³ (Mineral base oil mist, severely refined, DMSO <3% m/m) |
| Denmark | Grænseværdi (kortvarig) (mg/m ³) | 2 mg/m ³ (Mineral base oil mist, severely refined, DMSO <3% m/m) |
| Hungary | AK-érték | 5 mg/m ³ (Mineral base oil mist, severely refined, DMSO <3% m/m) |
| Sweden | Nivågränsvärde (NVG) (mg/m ³) | 1 mg/m ³ (Mineral base oil mist, severely refined, DMSO <3% m/m) |
| Sweden | Kortidsvärde (KTV) (mg/m ³) | 3 mg/m ³ (Mineral base oil mist, severely refined, DMSO <3% m/m) |
| Canada (Quebec) | VECD (mg/m ³) | 10 mg/m ³ (Mineral base oil mist, severely refined, DMSO <3% m/m) |
| Canada (Quebec) | VEMP (mg/m ³) | 5 mg/m ³ (Mineral base oil mist, severely refined, DMSO <3% m/m) |

| Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclics < 2% aromatics (N/A) | | |
|---|---|--|
| Germany | TRGS 900 Occupational exposure limit value (mg/m ³) | 600 mg/m ³ (Hydrocarbon mixtures (RCP) aliphatic hydrocarbons C9-C15) |
| Germany | TRGS 900 Limitation of exposure peaks (mg/m ³) | 1200 mg/m ³ (Hydrocarbon mixtures (RCP) aliphatic hydrocarbons C9-C15) |
| Italy - Portugal - USA ACGIH | ACGIH TLV®-TWA (mg/m ³) | None to be reported. |
| Italy | OEL TWA (mg/m ³) | 600 mg/m ³ (Ref.: Hydrocarbon mixtures (RCP) aliphatic hydrocarbons C9-C15, Germany, AGS 2011) |
| Italy | OEL STEL (mg/m ³) | 1200 mg/m ³ (Ref.: Hydrocarbon mixtures (RCP) aliphatic hydrocarbons C9-C15, Germany, AGS 2011) |

| Mineral base oil, severely refined | |
|--|--|
| DNEL/DMEL (Workers) | |
| Long-term - systemic effects, inhalation | = 5,4 mg/m ³ /day (DNEL, Mineral base oil mist, severely refined, DMSO <3% m/m) |
| DNEL/DMEL (General population) | |
| Long-term - local effects, inhalation | = 1,2 mg/m ³ /day (DNEL, Mineral base oil mist, severely refined, DMSO <3% m/m) |

eni i-Ride Moto 2T

Product code: 1544

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Revision date: 28/02/2014

Version: 2.1

| Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased (68784-26-9) | |
|--|----------------------------|
| DNEL/DMEL (Workers) | |
| Acute - systemic effects, dermal | 80 mg/kg bodyweight/day |
| Acute - systemic effects, inhalation | 167 mg/m ³ |
| Long-term - systemic effects, dermal | 20,8 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 70,52 mg/m ³ |
| DNEL/DMEL (General population) | |
| Acute - systemic effects, dermal | 40 mg/kg bodyweight |
| Acute - systemic effects, inhalation | 0,167 mg/m ³ |
| Acute - systemic effects, oral | 50 mg/kg bodyweight |
| Long-term - systemic effects, oral | 5 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 52,62 mg/m ³ |
| Long-term - systemic effects, dermal | 10,42 mg/kg bodyweight/day |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0,5 mg/l |
| PNEC aqua (marine water) | 0,04 |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 43500 mg/kg dwt |
| PNEC sediment (marine water) | 3480 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 8850 mg/kg dwt |

| Phenol, dodecyl-, branched, sulfurized (96152-43-1) | |
|--|----------------------------------|
| DNEL/DMEL (Workers) | |
| Acute - systemic effects, dermal | 80 mg/kg bodyweight/day (DNEL) |
| Acute - systemic effects, inhalation | 6,68 mg/m ³ (DNEL) |
| Long-term - systemic effects, dermal | 1,04 mg/kg bodyweight/day (DNEL) |
| Long-term - systemic effects, inhalation | 3,526 mg/m ³ (DNEL) |
| DNEL/DMEL (General population) | |
| Acute - systemic effects, dermal | 40 mg/kg bodyweight (DNEL) |
| Acute - systemic effects, inhalation | 66,8 mg/m ³ (DNEL) |
| Acute - systemic effects, oral | 25 mg/kg bodyweight (DNEL) |
| Long-term - systemic effects, oral | 0,25 mg/kg bodyweight/day (DNEL) |
| Long-term - systemic effects, inhalation | 0,87 mg/m ³ (DNEL) |
| Long-term - systemic effects, dermal | 0,52 mg/kg bodyweight/day (DNEL) |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0,25 mg/l |
| PNEC aqua (marine water) | 0,024 mg/l |
| PNEC aqua (intermittent, freshwater) | 2,5 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 545,4 mg/kg dwt |
| PNEC sediment (marine water) | 54,54 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 441 mg/kg dwt |
| PNEC (Oral) | |
| PNEC oral (secondary poisoning) | 6670 mg/kg food |

Phenol, dodecyl-, branched, sulfurized (96152-43-1)

PNEC (STP)

| | |
|-----------------------------|----------|
| PNEC sewage treatment plant | 6,5 mg/l |
|-----------------------------|----------|

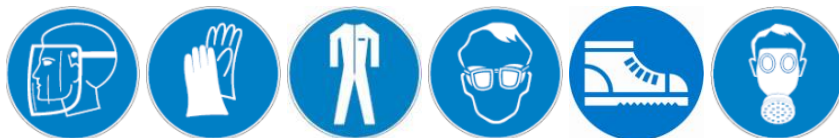
Monitoring methods : Monitoring procedures should be chosen according to the indications set by national authorities or labour contracts., Refer to relevant legislation and in any case to the good practice of industrial hygiene.

Additional information : Note: 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. The DNEL may differ from an Occupational Exposure Limit (OEL) for the same chemical. OELs may be recommended by an individual company, a governmental regulatory body or an expert organization, such as the Scientific Committee for Occupational Exposure Limits (SCOEL) or the American Conference of Governmental Industrial Hygienists (ACGIH). 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). While also considered to be protective of health, OELs are derived by a process different from that of REACH.

8.2. Exposure controls

Appropriate engineering controls : Before entering storage tanks and commencing any operation in a confined area (e.g. tunnels), carry out an adequate clean-up, and check the atmosphere for oxygen content and flammability.

Personal protective equipment (for industrial or professional use) : Face shield. Gloves. Protective clothing. Safety glasses. Safety shoes or boots. Dust/aerosol mask.



Hand protection : When there is a risk of contact with the skin, use hydrocarbon-resistant, felt-lined gloves. Materials that are presumably adequate: nitrile (NBR) or PVC with a protection index > 5 (permeation time > 240 mins). Use gloves respecting all the conditions and within the limits set by the manufacturer. Replace gloves immediately in case of cuts, holes or other signs of damages or degradation. If necessary, refer to the EN 374 standard.

Eye protection : When there is a risk of contact with the eyes, use safety goggles or other means of protection (face shield). If necessary, refer to national standards or to the EN 166 standard.

Skin and body protection : Long-sleeved overalls. If necessary, refer to the EN 340 and related standards, for definition of characteristics and performance according to the risk rating of the area. Antistatic non-skid safety shoes or boots, chemical resistant.

Respiratory protection : Independently from other possible actions (technical modifications, operating procedures, and other means to limit the exposure of workers), personal protection equipment can be used according to necessity. Open or well ventilated spaces: in presence of oil mists and if the product is handled without adequate containment means: use full or half-face masks with filter for mists/aerosols. In case there is a significant presence of vapours (e.g. through handling at high temperature), use full or half-face masks with filter for hydrocarbon vapours. (EN 136/140/145). Closed or confined areas (e.g. tank interiors): the use of protection measures for airways (masks or self-contained breathing apparatus), must be assessed according to the specific activity, as well as level and duration of predicted exposure. (EN 136/140/145).

Thermal hazard protection : None in normal use conditions.

| | |
|---------------------------------|---|
| Environmental exposure controls | : Do not discharge the product into the environment. Prevent discharge of undissolved substance to or recover from onsite wastewater. Do not apply industrial sludge to natural soils. Sludge should be incinerated, contained or reclaimed. Storage areas/installations should be designed with adequate bunds so as to prevent ground and water pollution in case of leaks or spills. |
| Consumer exposure controls | : No special requirements necessary, if handled at room temperature. |

8.3. Hygiene measures

| | |
|--|---|
| General protective and hygienic measures | : Avoid contact with skin and eyes, Do not breathe vapours or mists., Do not clean hands with dirty or oil-soaked rags., Do not keep dirty rags in the overall pockets., Do not drink, eat or smoke with dirty hands., Wash hands with water and mild soap, do not use solvents or other irritant products which have a defatting effect on the skin., Do not re-use clothes, if they are still contaminated. |
|--|---|

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|--|
| Physical state | : Liquid |
| Appearance | : Liquid, bright & clear. |
| Molecular mass | : Not applicable for mixtures |
| Colour | : Amber. |
| Odour | : Slight odour of petroleum. |
| Odour threshold | : There are no data available on the preparation/mixture itself. |
| pH | : Not applicable |
| Relative evaporation rate (butylacetate=1) | : Not determined |
| Melting point | : Pour point ≤ -42 °C (ASTM D 97) |
| Freezing point | : No data available |
| Boiling point | : ≥ 200 °C (ASTM D 1160) |
| Flash point | : ≥ 85 °C (ASTM D 93) |
| Self ignition temperature | : ≥ 300 °C (DIN 51794) |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : ca 0,02 kPa (20 °C, EN 13016) |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Density | : ≤ 920 kg/m ³ (15 °C) (ASTM D 4052) |
| Solubility | : Water: Immiscible and insoluble |

| | |
|----------------------|---|
| Log Pow | : Not applicable for mixtures |
| Log Kow | : No data available |
| Viscosity, kinematic | : $\geq 10 \text{ mm}^2/\text{s}$ (100 °C) (ASTM D 445) |
| Viscosity, dynamic | : No data available |
| Explosive properties | : None. |
| Oxidising properties | : None. |
| Explosive limits | : LEL $\geq 45 \text{ g/m}^3$ (Aerosol) |

9.2. Other information

VOC content : = 25 % (EU, CH)

The above data are typical values and do not constitute a specification.

SECTION 10: Stability and reactivity

10.1. Reactivity

This mixture does not offer any further hazard for reactivity, except what is reported in the following paragraphs.

10.2. Chemical stability

Stable product, according to its intrinsic properties (in normal conditions of storage and handling).

10.3. Possibility of hazardous reactions

None (in normal conditions of storage and handling). Contact with strong oxidizers (peroxides, chromates, etc.) may cause a fire hazard. A mixture with nitrates or other strong oxidisers (e.g. chlorates, perchlorates, liquid oxygen) may create an explosive mass. Sensitivity to heat, friction or shock cannot be assessed in advance.

10.4. Conditions to avoid

Keep away from strong oxidizers. Keep away from open flames, hot surfaces and sources of ignition. Avoid the build-up of electrostatic charge.

10.5. Incompatible materials

Strong oxidants.

10.6. Hazardous decomposition products

In exceptional cases (i.e prolonged storage in tanks contaminated with water, and presence of anaerobic sulfate-reducing microbial colonies), the product may undergo a degradation and generate small amounts of sulfur compounds, including H₂S. See also Section 16, "Other information".

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)
(according to composition)

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| eni i-Ride Moto 2T (N/A) | |
|----------------------------|---|
| LD50 oral rat | ≥ 2000 mg/kg bodyweight (Calculated data). This evaluation is based on the real characteristics of the components and their combination, taking into account the information provided by the suppliers. |
| LC50 inhalation rat (mg/l) | ≥ 5 mg/l/4h (Calculated data). This evaluation is based on the real characteristics of the components and their combination, taking into account the information provided by the suppliers. |

| Mineral base oil, severely refined | |
|------------------------------------|------------------------------------|
| LD50 oral rat | > 5000 mg/kg bodyweight (OECD 401) |
| LD50 dermal rat | > 5000 mg/kg bodyweight (OECD 402) |
| LC50 inhalation rat (mg/l) | > 5 mg/l/4h (OECD 403) |

| Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclics < 2% aromatics (N/A) | |
|---|--|
| LD50 oral rat | ≥ 5000 mg/kg bodyweight (OECD 401; ExxonMobil, 1989) |
| LD50 dermal rat | ≥ 2000 mg/kg bodyweight (OECD 402; CEPESA Quimica, 1989) |
| LC50 inhalation rat (mg/l) | ≥ 5 mg/l/4h (OECD 403) (Read across: C11-C13, < 2% arom; ExxonMobil, 2005) |

| Phenol, dodecyl-, branched, sulfurized (96152-43-1) | |
|---|--|
| LD50 oral rat | ≥ 5000 mg/kg bodyweight (OECD 401) (Read-across) |
| LD50 dermal rabbit | ≥ 4000 mg/kg bodyweight (OECD 402) (Read-across) |

| | |
|-----------------------------------|--|
| Skin corrosion/irritation | : Not classified (Based on available data, the classification criteria are not met) (according to composition) pH: Not applicable |
| Serious eye damage/irritation | : Not classified (Based on available data, the classification criteria are not met) (according to composition) pH: Not applicable |
| Respiratory or skin sensitisation | : Not classified (Based on available data, the classification criteria are not met) (according to composition) This product does not contain any significant amounts of substances classified as sensitizers (in any case < 0.1 % wt) |
| Germ cell mutagenicity | : Not classified (Based on available data, the classification criteria are not met) (according to composition) This product does not contain any significant amounts of substances classified as mutagenic by the EU (in any case < 0.1 % wt) |
| Carcinogenicity | : Not classified (Based on available data, the classification criteria are not met) (according to composition) None of the components of this product are listed as carcinogen by NTP, IARC, OSHA, EU or others. All the mineral base oils contained in this product have a value < 3 % wt of DMSO extract, according to IP 346/92 (Nota L - Dir. 94/69/CE - Reg (CE) 1272/2008) |

Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclics < 2% aromatics (N/A)

| | |
|---|---|
| NOAEL (chronic,oral, animal/male,2 years) | = 0,138 mg/l/6h/day (NOAEC - OECD 453) (Read across: Stoddard solvent; NTP, 2004) |
| NOAEL (chronic,oral, animal/female,2 years) | > 2,2 mg/l/6h/day (NOAEC - OECD 453) (Read across: Stoddard solvent; NTP, 2004) |

| | |
|--|---|
| Reproductive toxicity | : Not classified (Based on available data, the classification criteria are not met) (according to composition) This product contains a substance (Dodecylphenol, branched) classified as Toxic for Reproduction according to the criteria of EU |
| Specific target organ toxicity (single exposure) | : Not classified (Based on available data, the classification criteria are not met) (according to composition) |
| Specific target organ toxicity (repeated exposure) | : Not classified (Based on available data, the classification criteria are not met) (according to composition) The product contains dodecylphenol. Rats given high, repeated daily doses of dodecylphenol by oral intubation, experienced various effects on a number of organs, including adrenal, thyroid, liver, ovary, testes, bone marrow, and blood cell formation. The relevance of these effects to humans is uncertain. |

Mineral base oil, severely refined

| | |
|--------------------------|--|
| LOAEL (oral,rat,90 days) | = 125 mg/kg bodyweight/day (OECD TG 408) |
|--------------------------|--|

| | |
|---|--|
| Aspiration hazard | : Not classified (Based on available data, the classification criteria are not met) Viscosity, kinematic: > 20,5 mm ² /s (40 °C) (ASTM D 445) |
| Potential Adverse human health effects and symptoms | : Prolonged and repeated skin contact may cause reddening, irritation and dermatitis, due to a defatting effect. Contact with eyes may cause temporary reddening and irritation. |
| Other information | : None. |

SECTION 12: Ecological information**12.1. Toxicity**

| | |
|-------------------|--|
| Ecology - general | : According to the components, and by comparison with other products of the same type and composition, it is expected that this product has a toxicity for aquatic organisms > 100 mg/l, and must not be regarded as dangerous to the environment. An uncontrolled release to the environment may nevertheless produce a contamination of different environmental compartments (soil, underground, surface water bodies, aquifers). Handle according to general working hygiene practices to avoid pollution and release into the environment. |
| Ecology - air | : This product has a low vapour pressure. A significant exposure may happen only if the product is used at high temperature, or in case of sprays and mists. |
| Ecology - water | : This product is not soluble in water. It floats on water and forms a film on the surface. The damage to aquatic organisms is of mechanical kind (immobilization and entrapment) |

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| eni i-Ride Moto 2T (N/A) | |
|---|---|
| LC50 fish 1 | ≥ 100 mg/l (Calculated data). This evaluation is based on the real characteristics of the components and their combination, taking into account the information provided by the suppliers. |
| EC50 Daphnia 1 | ≥ 100 mg/l (Calculated data). This evaluation is based on the real characteristics of the components and their combination, taking into account the information provided by the suppliers. |
| ErC50 (algae) | ≥ 100 mg/l (Calculated data). This evaluation is based on the real characteristics of the components and their combination, taking into account the information provided by the suppliers. |
| Additional ecotoxicological information | This product contains one or more components with a branched alkylphenol impurity that is highly toxic to aquatic organisms (see section 3). The components containing the impurity have been tested by the manufacturer and are only weakly toxic to aquatic organisms (R53 - H 413). Therefore the data in Section 3 for the alkylphenol impurity should not be directly used to classify the product for aquatic toxicity. |

| Mineral base oil, severely refined | |
|---|-----------------------------------|
| LC50 fish 1 | > 100 mg/l (LL 50) |
| EC50 Daphnia 1 | > 10000 mg/l WAF, 48 h (OECD 202) |

| Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclics < 2% aromatics (N/A) | |
|---|---|
| LC50 fish 1 | ≥ 1000 mg/l (LL50, 72 h; Oncorhynchus mykiss, OECD 203) (QSAR, CONCAWE 2010) |
| EC50 Daphnia 1 | ≥ 1000 mg/l (EL50, 48 h; OECD 202) (SRC, 1994) |
| EC50 other aquatic organisms 1 | ≥ 10000 mg/l (LL50, 48 h; Chaetogammarus marinus, OECD 202) (TNO, 1991) |
| ErC50 (algae) | ≥ 1000 mg/l (EL50, 72 h; Pseudokirchneriella subcapitata, OECD 201) (SRC, 1994) |
| NOEC (acute) | = 1000 mg/l (NOELR, 72 h; Pseudokirchnerella subcapitata, OECD 201) (SRC, 1994) |
| NOEC (chronic) | = 0,173 mg/l (NOELR, 28 d; Oncorhynchus mykiss) (QSAR, CONCAWE, 2010) |

| Dodecylphenol, mixed isomers, branched (121158-58-5) | |
|---|-----------------|
| LC50 fish 1 | 0,01 - 0,1 mg/l |

| Phenol, dodecyl-, branched, sulfurized (96152-43-1) | |
|--|-------------------------|
| LC50 fish 1 | ≥ 500 mg/l (LL50 - 96h) |
| EC50 Daphnia 1 | ≥ 750 mg/l (LL50 - 96h) |

12.2. Persistence and degradability

| eni i-Ride Moto 2T (N/A) | |
|---------------------------------|--|
| Persistence and degradability | The most significant constituents of the product should be considered as "inherently biodegradable", but not "readily biodegradable", and they may be moderately persistent, particularly in anaerobic conditions. |

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Mineral base oil, severely refined

| | |
|-------------------------------|--|
| Persistence and degradability | The most significant constituents of the product should be considered as "inherently biodegradable", but not "readily biodegradable", and they may be moderately persistent, particularly in anaerobic conditions. |
|-------------------------------|--|

Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclics < 2% aromatics (N/A)

| | |
|-------------------------------|--|
| Persistence and degradability | The product should be considered as "Not persistent" in the environment, according to the REACH Annex XIII criteria (point 1.1). |
| Biodegradation | > 69 % 28 d (OECD 301 F) (Shell, 1997) |

Phenol, dodecyl-, branched, sulfurized (96152-43-1)

| | |
|----------------|--------------|
| Biodegradation | 13,4 % (28d) |
|----------------|--------------|

12.3. Bioaccumulative potential

eni i-Ride Moto 2T (N/A)

| | |
|---------|-----------------------------|
| Log Pow | Not applicable for mixtures |
|---------|-----------------------------|

Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclics < 2% aromatics (N/A)

| | |
|---------------------------|---|
| Bioaccumulative potential | The test methods for this endpoint are not applicable to UVCB substances. |
|---------------------------|---|

Dodecylphenol, mixed isomers, branched (121158-58-5)

| | |
|-------------------------------------|-----|
| Bioconcentration factor (BCF REACH) | 2,9 |
| Log Kow | 71 |

12.4. Mobility in soil

Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclics < 2% aromatics (N/A)

| | |
|----------------|---|
| Ecology - soil | The test methods for this endpoint are not applicable to UVCB substances. |
|----------------|---|

12.5. Results of PBT and vPvB assessment

eni i-Ride Moto 2T (N/A)

This substance/mixture does not meet the PBT criteria of REACH, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH, annex XIII.

| | |
|--------------------------------|---|
| Results of PBT-vPvB assessment | The components in this formulation do not meet the criteria for classification as PBT or vPvB. The product should be considered prudentially as "Persistent" in the environment, according to the REACH Annex XIII criteria (point 1.1) |
|--------------------------------|---|

Mineral base oil, severely refined

This substance/mixture does not meet the PBT criteria of REACH, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH, annex XIII.

Mineral base oil, severely refined

Results of PBT-vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB. The product should be considered prudentially as "Persistent" in the environment, according to the REACH Annex XIII criteria (point 1.1)

Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclics < 2% aromatics (N/A)

This substance/mixture does not meet the PBT criteria of REACH, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH, annex XIII.

12.6. Other adverse effects

Other adverse effects

: None.

Other information

: This product has no specific properties for inhibition of bacterial activity. In any case, wastewater containing this product should be treated in plants that are suited for the specific purpose.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

: Do not dispose of the product, either new or used, by discharging into sewers, tunnels, lakes or water courses. Deliver to a qualified official collector.

Sewage disposal recommendations

: Do not apply industrial sludge to natural soils. Sludge should be incinerated, contained or reclaimed. Dispose of in a safe manner in accordance with local/national regulations.

Waste disposal recommendations

: European Waste Catalogue code(s) (Decision 2001/118/CE): 13 02 05* (mineral-based non-chlorinated engine, gear and lubricating oils). This EWC code is only a general indication, and takes into account the original composition of the product and its intended use. The user has the responsibility of choosing the right EWC code, considering the actual use of the product, alterations and contaminations.

Additional information

: Empty containers may contain combustible product residues. Do not cut, weld, drill, burn or incinerate empty containers or drums, unless they have been cleaned, and declared safe.

Ecology - waste materials

: The product as it is does not contain halogenated substances.

SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

14.1. UN number

No dangerous good in sense of transport regulations

14.2. UN proper shipping name

Proper Shipping Name

: Not applicable

14.3. Transport hazard class(es)

Subsidiary risk (IMDG)

: --

Subsidiary risk (IATA)

: --

14.4. Packing group

Packing group (UN)

: --

14.5. Environmental hazards

Other information

: None.

14.6. Special precautions for user

Special transport precautions : None.

14.6.1. Overland transport

Transport regulations (ADR) : Not subject

Transport regulations (RID) : Not subject

State during transport (ADR-RID) : Liquid

Classification code : --

Limited quantities (ADR) :

14.6.2. Transport by sea

Transport regulations (IMDG) : Not subject

Transport regulations (ADNR) : Not subject

Port Regulation Law : Not applicable.

Limited quantities (IMDG) : Not applicable

EmS-No. (1) : --

MFAG-No : --

14.6.3. Air transport

Transport regulations (IATA) : Not subject

Instruction "cargo" (ICAO) : Not applicable

Instruction "passenger" (ICAO) : Not applicable

Instruction "passenger" - Limited quantities (ICAO) : Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IBC code : None.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

No ingredients are included in the REACH Candidate list (> 0,1 % m/m).

| | |
|-------------------------|--|
| Relevant EU Legislation | : Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). (et sequens). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (et sequens). Directives 89/391/CEE, 89/654/CEE, 89/655/CEE, 89/656/CEE, 90/269/CEE, 90/270/CEE, 90/394/CEE, 90/679/CEE, 93/88/CEE, 95/63/CE, 97/42/CE, 98/24/CE, 99/38/CE, 99/92/CE, 2001/45/CE, 2003/10/CE, 2003/18/CE (Health and safety on the workplace) Directive 98/24/EC (protection of the health and safety of workers from the risks related to chemical agents at work). Directive 92/85/CE (measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding) Directives 96/82/CE and 2003/105/CE (Control of major-accident hazards involving dangerous substances) Directive 2004/42/CE (Limitation of emissions of Volatile Organic Compounds) Labelling according to directives 67/548/EEC and 1999/45/EC |
| VOC content | : = 25 % (EU, CH) |
| EURAL code (EWC) | : 13 02 05* |

15.1.2. National regulations

| | |
|-------------------------------|---|
| Maladies professionnelles (F) | : RG 36 - Affections provoquées par les huiles et graisses d'origine minérale ou de synthèse |
| Water hazard class (WGK) (D) | : 1 (according to composition) |
| WGK remark | : Classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) |
| Storage class (LGK) (D) | : LGK 12 - Non-flammable liquids in non-flammable packages |
| VbF class (D) | : Not applicable. |
| Regional legislation | : National adoption of EU Directives concerning health and safety on the workplace. National laws on classification and labeling of dangerous substances/preparations (Adoption of Directive 67/548/CE and subsequent Adaptations to Technical Progress - ATP, and Directive 1999/45/CE). National adoption of EU Directives concerning control of major-accident hazards involving dangerous substances (96/82/CE - 2003/105/CE). Relevant national laws on prevention of water pollution. Relevant national laws on protection of the health of pregnant workers (National adoption of Dir. 92/85/EEC). National adoption of Directives 75/439/CEE - 87/101/CEE concerning disposal of used oils. |

15.2. Chemical safety assessment

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

Hydrocarbons, C11-C14, n-alkanes, iso-alkanes, cyclics < 2% aromatics
Mineral base oil, severely refined
Phenol, dodecyl-, branched, sulfurized

SECTION 16: Other information

| | |
|-----------------------|------------|
| Indication of changes | : Formula. |
|-----------------------|------------|

- Data sources : This Safety Data Sheet is based on the real characteristics of the components and their combination, taking into account the information provided by the suppliers.
- Abbreviations and acronyms : Complete text of the phrases H and R quoted in this Safety Data Sheet. These phrases are reported here for information only, and MAY NOT correspond to the classification of the product.
- N/A = Not applicable.
N/D = Not available
ACGIH = American Conference of Governmental Industrial Hygienists
API = American Petroleum Institute
CSR = Chemical Safety Report
DNEL = Derived No Effect Level
DMEL = Derived Minimum Effect Level
EC50 = Effective Concentration, 50%
EL50 = Effective Loading, 50 %
EPA = Environmental Protection Agency
IC50 = Inhibition Concentration, 50%
LC50 = Lethal Concentration, 50%
LD50 = Lethal Dose, 50%
LL50 = Lethal Loading, 50%
LOAEL = Low Observed Adverse Effects Level
NOEL = No Observed Effects Level
NOAEL = No Observed Adverse Effects Level
OECD = Organization for Economic Cooperation and Development
PNEC = Predicted No-Effect Concentration
PBT = Persistent, Bioaccumulative, Toxic
STOT = Single Target Organ Toxicity
(STOT) RE = (Single Target Organ Toxicity) Repeated exposure
(STOT) SE = (Single Target Organ Toxicity) Single exposure
TLV®TWA = Threshold Limit Value® – Time-Weighted Average
TLV®STEL = Threshold Limit Value® – Short Term Exposure Limit
UVCB = Substance of Unknown or Variable composition, Complex reaction products or Biological materials
vPvB = very Persistent, very Bioaccumulative
WAF = Water Accommodated Fraction.
- Training advice : Provide adequate training to professional operators for the use of PPEs, according to the information contained in this Safety Data Sheet.
- Other information : Do not use the product for any purposes that have not been advised by the manufacturer. In that case, the user could be exposed to unpredictable risks.

Full text of R-, H- and EUH-phrases::

| | |
|-------------------|---|
| 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 4 | Hazardous to the aquatic environment — Chronic Hazard, Category 4 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Repr. 2 | Reproductive toxicity, Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| H304 | May be fatal if swallowed and enters airways |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H361f | Suspected of damaging fertility |
| H400 | Very toxic to aquatic life |

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| | |
|--------|---|
| H410 | Very toxic to aquatic life with long lasting effects |
| H413 | May cause long lasting harmful effects to aquatic life |
| R36/38 | Irritating to eyes and skin |
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| R53 | May cause long-term adverse effects in the aquatic environment |
| R62 | Possible risk of impaired fertility |
| R65 | Harmful: may cause lung damage if swallowed |
| R66 | Repeated exposure may cause skin dryness or cracking |
| N | Dangerous for the environment |
| Xi | Irritant |
| Xn | Harmful. |

SDS EU (Annex II) GENERAL

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