



DT Engine Oil 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 7-10-2025 Revision date: 6-1-2026 Supersedes: 7-10-2025 Version: 1.1

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

1.1. Product identifier

Product form : Mixture
Product name : DT Engine Oil 5W-30
Product code : V400486001
Product group : Trade product
Other means of identification : DT Spare Parts Part Number(s): 9.58070 (20L); 9.58078 (210L)

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

Relevant identified uses

Intended for general public
Main use category : Industrial use, Professional use, Consumer use
Use of the substance/mixture : Lubricant
Function or use category : Lubricants and additives

1.3. Details of the supplier of the safety data sheet

Diesel Technic SE
Wehrmannsdamm 5-9
27245 Kirchdorf
Germany
Tel. +49 4273 89-0
www.dieselitechnic.com/contact

1.4. Emergency telephone number

| Country/Area | Organisation | Emergency number |
|----------------|---|--|
| Ireland | National Poisons Information Centre. Beaumont Hospital. PO Box 1297. Beaumont Road 9 Dublin. | +353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7) |
| Malta | Medicines & Poisons Info Office. Mater Dei Hospital. Msida MSD 2090 Msida. | 112 +356 2545 6508 |
| United Kingdom | National Poisons Information Service (Birmingham Centre). City Hospital. Dudley Road B18 7QH. | 0344 892 0111 Only for healthcare professionals |
| | NHS 111/NHS 24/NHS Direct. | 111 0845 4647 or call a doctor |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

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

Precautionary statements (CLP) : P102 - Keep out of reach of children.

DT Engine Oil 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| | |
|---------------------------|--|
| EUH-statements | : EUH208 - Contains 2,5-Furandione, polymer with 1-hexadecene, methyloxirane polymer with oxirane bis (2-aminopropyl) ether and 2-methyl-1-propene, 4-(phenylamino)phenyl imide, Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs, calcium salts, Alkyl (C18–C28) toluenesulphonic acid, calcium salts, borated. May produce an allergic reaction. EUH210 - Safety data sheet available on request. |
| Child-resistant fastening | : Not applicable |
| Tactile warning | : Not applicable |

2.3. Other hazards

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

| Component | |
|---|--|
| Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII | phenol, dodecyl-, branched (121158-58-5) |
| Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII | phenol, dodecyl-, branched (121158-58-5) |

The mixture contains substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

| Component | |
|---|--|
| Substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 | phenol, dodecyl-, branched (121158-58-5) |

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|--|-----------|---|
| Distillates (petroleum), hydrotreated heavy paraffinic (Note L) | CAS-No.: 64742-54-7 EC-No.: 265-157-1 EC Index-No.: 649-467-00-8 REACH-no: 01-2119484627-25 | ≥ 50 | Asp. Tox. 1, H304 |
| Highly refined base oil substance with a Community workplace exposure limit (Note L) | CAS-No.: 64741-88-4 EC-No.: 265-090-8 REACH-no: 01-2119488706-23 | 25 – 35 | Not classified |
| Highly refined mineral oil (C15 -C50) substance with a Community workplace exposure limit (Note L) | REACH-no: 01-2119484627-25; 01-2119487077-29; 01-2119471299-27 | 10 – 25 | Not classified |
| 2,5-Furandione, polymer with 1-hexadecene, methyloxirane polymer with oxirane bis (2-aminopropyl) ether and 2-methyl-1-propene, 4-(phenylamino)phenyl imide | CAS-No.: 873694-48-5 | 1 – 3 | Skin Sens. 1, H317 |

DT Engine Oil 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---------|--|
| Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts | CAS-No.: 68784-31-6 EC-No.: 272-238-5 REACH-no: 01-2119657973-23 | 1 – 3 | Eye Dam. 1, H318 Aquatic Chronic 2, H411 |
| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate | CAS-No.: 125643-61-0 EC-No.: 406-040-9 EC Index-No.: 607-530-00-7 REACH-no: 01-0000015551-76 | 1 – 3 | Aquatic Chronic 4, H413 |
| Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts | CAS-No.: 722503-68-6 EC-No.: 682-816-2 | 0,1 – 1 | Skin Sens. 1B, H317 |
| Alkyl (C18–C28) toluenesulphonic acid, calcium salts, borated | EC-No.: 953-650-0 | 0,1 – 1 | Skin Sens. 1B, H317 Repr. 2, H361d |
| phenol, dodecyl-, branched substance listed on REACH Candidate List (Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)) substance identified as having endocrine disrupting properties | CAS-No.: 121158-58-5 EC-No.: 310-154-3 EC Index-No.: 604-092-00-9 REACH-no: 01-2119513207-49 | 0,1 – 1 | Skin Corr. 1C, H314 Repr. 1B, H360F Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10) |

Specific concentration limits:

| Name | Product identifier | Specific concentration limits (%) |
|---|---|--|
| 2,5-Furandione, polymer with 1-hexadecene, methyloxirane polymer with oxirane bis (2-aminopropyl) ether and 2-methyl-1-propene, 4-(phenylamino)phenyl imide | CAS-No.: 873694-48-5 | (2,51 ≤ C < 100) Skin Sens. 1; H317 |
| Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts | CAS-No.: 722503-68-6 EC-No.: 682-816-2 | (2 ≤ C < 100) Skin Sens. 1B; H317 |
| Alkyl (C18–C28) toluenesulphonic acid, calcium salts, borated | EC-No.: 953-650-0 | (2 ≤ C < 100) Skin Sens. 1B; H317 (17,5 ≤ C < 100) Repr. 2; H361d |

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

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

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|---|
| First-aid measures general | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. Assure fresh air breathing. Allow the victim to rest. |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water. |
| First-aid measures after eye contact | : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist. Rinse eyes with water as a precaution. |

DT Engine Oil 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell.
- Personal Protection in First Aid and Measures : First aid workers will be equipped with suitable personal protective equipment.

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

- Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.
- Symptoms/effects after inhalation : At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility. May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs.
- Symptoms/effects after skin contact : Unlikely to cause harm to the skin on brief or occasional contact but prolonged or repeated exposure may lead to dermatitis. High pressure injection of product into the skin may lead to local necrosis if the product is not surgically removed. May cause an allergic skin reaction.
- Symptoms/effects after eye contact : Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.
- Symptoms/effects after ingestion : Bad taste. Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhoea.
- Symptoms/effects upon intravenous administration : Unknown.

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 : Sand. Water spray. Dry powder. Foam. Carbon dioxide.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Combustion generates: CO, CO₂, PO_x, NO_x, SO_x, H₂S. Metal oxides.
- Explosion hazard : Not expected to be a fire/explosion hazard under normal conditions of use.
- Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

- Precautionary measures fire : Do not enter fire area without proper protective equipment, including respiratory protection.
- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment. Do not enter fire area without proper protective equipment, including respiratory protection.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
- Other information : Prevent fire fighting water from entering the environment. Sweep up and remove to a suitable, clearly marked container for disposal in accordance with local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

For non-emergency personnel

- Protective equipment : When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required. Use protective clothing.
- Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel.

For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

DT Engine Oil 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Emergency procedures : Ventilate area. Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.

Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures : Do no eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep container tightly closed and in well ventilated place.

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

Incompatible products : Strong bases. strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

Maximum storage period : 5 year

Storage temperature : ≤ 40 °C

Information on mixed storage : Keep away from : Oxidizing materials. Strong acids.

Storage area : Store at ambient temperature.

Special rules on packaging : Keep container tightly closed and dry.

Packaging materials : Always store product in container of same material as original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

| Highly refined base oil (64741-88-4) | |
|--|----------------------|
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| IOELV TWA (mg/m ³) | 5 mg/m ³ |
| IOELV STEL (mg/m ³) | 10 mg/m ³ |

DT Engine Oil 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Highly refined mineral oil (C15 -C50)

EU - Indicative Occupational Exposure Limit (IOEL)

| | |
|--------------------------------|---------------------|
| IOELV TWA (mg/m ³) | 5 mg/m ³ |
|--------------------------------|---------------------|

DNEL and PNEC

Exposure-value for oil mist : 10 mg/m³ (15 min.) or 5 mg/m³ (8 hours).

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Chemical goggles or safety glasses. Safety glasses

Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Wear protective gloves

Hand protection

| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
|--|----------------------|-------------------|----------------|-------------|----------|
| Chemical resistant gloves (according to European standard ISO 374-1 or equivalent) | Nitrile rubber (NBR) | 5 (> 240 minutes) | >0.35 | | |

Other skin protection

Materials for protective clothing:

PVC gloves. Neoprene or nitrile rubber gloves

Respiratory protection

Respiratory protection:

Wear approved mask.

Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Consumer exposure controls:

PVC gloves. Neoprene or nitrile rubber gloves.

Other information:

When using, do not eat, drink or smoke.

DT Engine Oil 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---------------------------------|--|
| Physical state | : Liquid |
| Colour | : brown. |
| Appearance | : Oily. Liquid. |
| Odour | : characteristic. |
| Odour threshold | : Not available |
| Melting point | : -42 °C ASTM D 97 |
| Freezing point | : Not available |
| Boiling point | : > 280 °C |
| Flammability (solid, gas) | : Non flammable |
| Lower explosive limit (LEL) | : 0,6 Vol-% |
| Upper explosive limit (UEL) | : 7 Vol-% |
| Flash point | : 227 °C ASTM D 92 |
| Auto-ignition temperature | : > 240 °C |
| Decomposition temperature | : Not available |
| pH | : Not available |
| Viscosity, kinematic | : 70 mm ² /s at 40 °C, ASTM D 445 |
| Solubility | : insoluble in water. |
| Log Kow | : Not available |
| Vapour Pressure 20°C | : < 0,1 hPa |
| Vapour pressure at 50°C | : Not available |
| Density | : 0,85 kg/l ASTM D 4052 |
| Relative density | : Not available |
| Relative vapour density at 20°C | : > 1 (air = 1) |
| Particle characteristics | : Not applicable |

9.2. Other information

Other safety characteristics

| | |
|--|---------------------------------------|
| Relative evaporation rate (butylacetate=1) | : < 0,1 |
| VOC content | : 0 % |
| Other properties | : Gas/vapour heavier than air at 20°C |

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

DT Engine Oil 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

| Highly refined base oil (64741-88-4) | |
|--------------------------------------|--------------------------|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |
| LC50 Inhalation - Rat | > 5000 mg/m ³ |

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
|---|--------------|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |
| LC50 Inhalation - Rat | > 5,53 mg/l |

| Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6) | |
|---|---|
| LD50 dermal rabbit | > 5000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0) | |
|---|--|
| LD50 oral rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

| phenol, dodecyl-, branched (121158-58-5) | |
|--|--|
| LD50 oral rat | 2100 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1620 - 2730 |
| LD50 dermal rabbit | ≈ 15000 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
Additional information : Based on available data, the classification criteria are not met

| Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6) | |
|---|---|
| pH | ≈ 7 Temp.: 25 °C Concentration: (≈)0,00116 other: Remarks on result: 'other:' |

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met).
Additional information : Based on available data, the classification criteria are not met

| Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6) | |
|---|---|
| pH | ≈ 7 Temp.: 25 °C Concentration: (≈)0,00116 other: Remarks on result: 'other:' |

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)
Additional information : Based on available data, the classification criteria are not met
May cause an allergic skin reaction

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Additional information : Based on available data, the classification criteria are not met

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)
Additional information : Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)
Additional information : Based on available data, the classification criteria are not met

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)
Additional information : Based on available data, the classification criteria are not met

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)
Additional information : Based on available data, the classification criteria are not met

DT Engine Oil 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6) | |
|--|---|
| NOAEL (oral, rat, 90 days) | 125 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents) |

| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0) | |
|--|---|
| NOAEL (oral, rat, 90 days) | 5 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents) |

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)
Additional information : Based on available data, the classification criteria are not met

| DT Engine Oil 5W-30 | |
|----------------------------|--|
| Viscosity, kinematic | 70 mm ² /s at 40 °C, ASTM D 445 |

| phenol, dodecyl-, branched (121158-58-5) | |
|---|------------------------|
| Viscosity, kinematic | 450 mm ² /s |

11.2. Information on other hazards

Endocrine disrupting properties

| Component | |
|--|--|
| phenol, dodecyl-, branched (121158-58-5) | The substance is identified for having endocrine disrupting properties but there is no additional data available (see section 2.3) |

Other information

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met
Other information : Toxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the toxicology of similar products, Likely route of exposure: ingestion, skin and eye.

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.
Ecology - water : This product floats on water and may affect the oxygen-balance in the water.
Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met)

| Highly refined base oil (64741-88-4) | |
|---|--|
| LC50 fish 1 | > 100 mg/l Pimephales promelas |
| EC50 Daphnia 1 | > 10000 mg/l EC50 48h - Daphnia magna [mg/l] |
| EC50 72h - Algae [1] | > 100 mg/l Pseudokirchneriella subcapitata |

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
|--|------------|
| LC50 fish 1 | > 100 mg/l |
| EC50 Daphnia 1 | 10000 mg/l |
| EC50 72h - Algae [1] | > 100 mg/l |

| Highly refined mineral oil (C15 -C50) | |
|--|----------|
| EC50 other aquatic organisms 1 | 1,2 mg/l |

DT Engine Oil 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6) | |
|--|--|
| LC50 fish 1 | 46 mg/l Test organisms (species): Cyprinodon variegatus |
| EC50 other aquatic organisms 1 | 1,2 mg/l invertebrates |
| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0) | |
| LC50 fish 1 | > 74 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 Daphnia 1 | > 100 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | > 3 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| NOEC (chronic) | ≤ 0,01 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC chronic fish | ≥ 1 mg/l Test organisms (species): Daphnia magna |
| phenol, dodecyl-, branched (121158-58-5) | |
| LC50 fish 1 | 40 mg/l Pimephales promelas |
| EC50 Daphnia 1 | 0,037 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | 0,36 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| LOEC (chronic) | 0,012 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC (chronic) | 0,0037 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| 12.2. Persistence and degradability | |
| DT Engine Oil 5W-30 | |
| Persistence and degradability | Not established. |
| Highly refined base oil (64741-88-4) | |
| Persistence and degradability | Rapidly degradable |
| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
| Persistence and degradability | Rapidly degradable |
| Highly refined mineral oil (C15 -C50) | |
| Persistence and degradability | Rapidly degradable |
| 2,5-Furandione, polymer with 1-hexadecene, methyloxirane polymer with oxirane bis (2-aminopropyl) ether and 2-methyl-1-propene, 4-(phenylamino)phenyl imide (873694-48-5) | |
| Persistence and degradability | Rapidly degradable |
| Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6) | |
| Persistence and degradability | Rapidly degradable |
| Biodegradation | < 5 % |
| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0) | |
| Persistence and degradability | Rapidly degradable |
| Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts (722503-68-6) | |
| Persistence and degradability | Rapidly degradable |
| phenol, dodecyl-, branched (121158-58-5) | |
| Persistence and degradability | Not readily biodegradable in water. |

DT Engine Oil 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| phenol, dodecyl-, branched (121158-58-5) | |
|---|--|
| Biodegradation | 25 % OECD TG 301 B |
| Alkyl (C18–C28) toluenesulphonic acid, calcium salts, borated | |
| Persistence and degradability | Rapidly degradable |
| 12.3. Bioaccumulative potential | |
| DT Engine Oil 5W-30 | |
| Bioaccumulative potential | Not established. |
| Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6) | |
| Log Pow | 4 |
| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0) | |
| Bioconcentration factor (BCF REACH) | 260 (OECD 305 method) |
| Log Pow | 7,93 |
| phenol, dodecyl-, branched (121158-58-5) | |
| Bioconcentration factor (BCF REACH) | 794,33 |
| Log Kow | 7,14 |
| 12.4. Mobility in soil | |
| DT Engine Oil 5W-30 | |
| Ecology - soil | Not miscible with water. Spillages may penetrate the soil causing ground water contamination. This product floats on water and may affect the oxygen-balance in the water. |
| phenol, dodecyl-, branched (121158-58-5) | |
| Surface tension | 42,2 mN/m |
| Log Koc | 4,4 – 4,67 |
| 12.5. Results of PBT and vPvB assessment | |
| Component | |
| Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII | phenol, dodecyl-, branched (121158-58-5) |
| Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII | phenol, dodecyl-, branched (121158-58-5) |
| 12.6. Endocrine disrupting properties | |
| Component | |
| phenol, dodecyl-, branched (121158-58-5) | The substance is identified for having endocrine disrupting properties but there is no additional data available (see section 2.3) |
| 12.7. Other adverse effects | |
| DT Engine Oil 5W-30 | |
| Other information | Avoid release to the environment. |

DT Engine Oil 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--|--|
| Regional waste regulation | : Disposal must be done according to official regulations. |
| Product/Packaging disposal recommendations | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations | : Disposal must be done according to official regulations. |
| Waste disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. Disposal must be done according to official regulations. |
| Additional information | : Do not re-use empty containers. |
| Ecology - waste materials | : Avoid release to the environment. |
| European List of Waste (LoW, EC 2000/532) | : 13 02 05* - mineral-based non-chlorinated engine, gear and lubricating oils |

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN

| ADR | IMDG | IATA | ADN |
|---|---------------|---------------|---------------|
| 14.1. UN number or ID number | | | |
| Not regulated for transport | | | |
| 14.2. UN proper shipping name | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.5. Environmental hazards | | | |
| 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

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

DT Engine Oil 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

| EU restriction list (REACH Annex XVII) | | |
|--|---|---|
| Reference code | Applicable on | Entry title or description |
| 3(b) | Distillates (petroleum), hydrotreated heavy paraffinic ; 2,5-Furandione, polymer with 1-hexadecene, methyloxirane polymer with oxirane bis (2-aminopropyl) ether and 2-methyl-1-propene, 4-(phenylamino)phenyl imide ; Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts ; Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts ; phenol, dodecyl-, branched ; Alkyl (C18–C28) toluenesulphonic acid, calcium salts, borated | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |
| 3(c) | Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts ; reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate ; phenol, dodecyl-, branched | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1 |

REACH Annex XIV (Authorisation List)

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

REACH Candidate List (SVHC)

Contains substance(s) listed on the REACH Candidate List in concentrations $\geq 0.1\%$ or SCL: Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP) (EC 310-154-3, CAS 121158-58-5)

PIC Regulation (Prior Informed Consent)

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

POP Regulation (Persistent Organic Pollutants)

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

Ozone Regulation (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

DT Engine Oil 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

VOC Directive (2004/42)

VOC content : 0 %

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

A chemical safety assessment has been carried out

SECTION 16: Other information

| Indication of changes | | |
|-----------------------|-------------------------------|--------------|
| Section | Changed item | Comments |
| 1.1 | Other means of identification | Added |

| Abbreviations and acronyms: | |
|-----------------------------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| CAS-No. | Chemical Abstracts Service number |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| COD | Chemical oxygen demand (COD) |
| CSA | Chemical safety assessment |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC-No. | European Community number |
| EC50 | Median effective concentration |
| ED | Endocrine disruptor |
| EN | European Standard |
| EWC | European waste catalogue |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |

DT Engine Oil 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Abbreviations and acronyms: | |
|-----------------------------|--|
| Log Kow | Partition coefficient n-octanol/water (Log Kow) |
| Log Pow | Partition coefficient n-octanol/water (Log Pow) |
| MAK | maximum workplace concentration |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| N.O.S. | Not Otherwise Specified |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| OSHA | Occupational Safety Health Administration |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| PPE | Personal protection equipment |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| TF | Technical function |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| TWA | Time Weighted Average |
| VOC | Volatile Organic Compounds |
| vPvB | Very Persistent and Very Bioaccumulative |
| UFI | Unique Formula Identifier |

| | |
|-------------------|---|
| Data sources | : 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. |
| Training advice | : Normal use of this product shall imply use in accordance with the instructions on the packaging. |
| Other information | : None. |

| Full text of H- and EUH-statements: | |
|-------------------------------------|---|
| Aquatic Acute 1 | Hazardous to the aquatic environment – Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Aquatic Chronic 4 | Hazardous to the aquatic environment – Chronic Hazard, Category 4 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Repr. 1B | Reproductive toxicity, Category 1B |
| Repr. 2 | Reproductive toxicity, Category 2 |
| Skin Corr. 1C | Skin corrosion/irritation, Category 1, Sub-Category 1C |

DT Engine Oil 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Full text of H- and EUH-statements: | |
|-------------------------------------|---|
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| Skin Sens. 1B | Skin sensitisation, category 1B |
| H304 | May be fatal if swallowed and enters airways. |
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H360F | May damage fertility. |
| H361d | Suspected of damaging the unborn child. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H413 | May cause long lasting harmful effects to aquatic life. |
| EUH208 | Contains 2,5-Furandione, polymer with 1-hexadecene, methyloxirane polymer with oxirane bis (2-aminopropyl) ether and 2-methyl-1-propene, 4-(phenylamino)phenyl imide, Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs, calcium salts, Alkyl (C18–C28) toluenesulphonic acid, calcium salts, borated. May produce an allergic reaction. |
| EUH210 | Safety data sheet available on request. |

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.