



# Torsynth 5W-40

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 17-5-2018 Revision date: 30-11-2022 Supersedes version of: 27-9-2022 Version: 1.5

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Torsynth 5W-40  
Product code : 01.30.22  
Product group : Trade product

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use, Consumer use  
Use of the substance/mixture : Engine oil  
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

Kroon Oil BV B.V.  
Dollegoorweg, 15  
NL- 7602 EC Almelo  
Netherlands  
T 0031 (0)546 81 81 65  
[vib@kroon-oil.nl](mailto:vib@kroon-oil.nl)

#### 1.4. Emergency telephone number

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

### 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]

EUH-statements : EUH208 - Contains Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs,  
calcium salts. May produce an allergic reaction.  
EUH210 - Safety data sheet available on request.

# Torsynth 5W-40

## Safety Data Sheet

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

### 2.3. Other hazards

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

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

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Comments : Highly refined mineral oils and additives.

| Name   | Product identifier   | %         | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|--|-----------|---|
| Distillates (petroleum), hydrotreated heavy paraffinic (Note L)                        | CAS-No.: 64742-54-7<br>EC-No.: 265-157-1<br>EC Index-No.: 649-467-00-8<br>REACH-no: 01-2119484627-25 | 25 – 50   | Asp. Tox. 1, H304   |
| Blend of mineral oils *<br>(*)(Note L)   | -  | 10 – 20   | Asp. Tox. 1, H304   |
| Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts | CAS-No.: 68784-31-6<br>EC-No.: 272-238-5<br>REACH-no: 01-2119657973-23                               | 0,3 – 2,5 | Eye Dam. 1, H318<br>Aquatic Chronic 2, H411                     |
| Reaction products of Benzeneamine, N-phenyl- with nonene (branched)                    | CAS-No.: 36878-20-3<br>EC-No.: 253-249-4<br>REACH-no: 01-2119488911-28                               | 0,3 – 2,5 | Aquatic Chronic 4, H413   |
| Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts       | CAS-No.: 722503-68-6<br>EC-No.: 682-816-2  | 0,1 – 1   | Skin Sens. 1B, H317   |

### Specific concentration limits:

| Name   | Product identifier   | Specific concentration limits  |
|--|--|--|
| Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts | CAS-No.: 68784-31-6<br>EC-No.: 272-238-5<br>REACH-no: 01-2119657973-23 | ( 10 $\leq$ C < 100) Eye Dam. 1, H318<br>( 10 $\leq$ C < 100) Eye Irrit. 2, H319 |
| Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts       | CAS-No.: 722503-68-6<br>EC-No.: 682-816-2                              | ( 2 $\leq$ C < 100) Skin Sens. 1B, H317  |

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

# Torsynth 5W-40

## Safety Data Sheet

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

\*: contains one or more of the following CAS-numbers (REACH registration numbers):

64741-88-4 (01-2119488706-23), 64741-89-5 (01-2119487067-30), 64741-95-3 (01-2119487081-40), 64741-96-4 (01-2119483621-38), 64741-97-5 (01-2119480374-36), 64742-01-4 (01-2119488707-21), 64742-52-5 (01-2119467170-45), 64742-53-6 (01-2119480375-34), 64742-54-7 (01-2119484627-25), 64742-55-8 (01-2119487077-29), 64742-56-9 (01-2119480132-48), 64742-57-0 (01-2119489287-22), 64742-62-7 (01-2119480472-38), 64742-65-0 (01-2119471299-27), 64742-71-8 (01-2119485040-48), 72623-85-9 (01-2119555262-43), 72623-86-0 (01-2119474878-16), 72623-87-1 (01-2119474889-13), 74869-22-0 (01-2119495601-36)

Note L : The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO 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. This note applies only to certain complex oil-derived substances in Part 3.

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash skin with plenty of water.                                |
| First-aid measures after eye contact  | : Rinse eyes with water as a precaution.                         |
| First-aid measures after ingestion    | : Call a poison center or a doctor if you feel unwell.           |

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

Symptoms/effects : No additional information available.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

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

### 5.2. Special hazards arising from the substance or mixture

|  |  |
|--|--|
| Fire hazard                                      | : Combustible liquid.  |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases. |

### 5.3. Advice for firefighters

|                                |  |
|--------------------------------|--|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
|--------------------------------|--|

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

|                      |                            |
|----------------------|----------------------------|
| Emergency procedures | : Ventilate spillage area. |
|----------------------|----------------------------|

#### 6.1.2. For emergency responders

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

### 6.2. Environmental precautions

Avoid release to the environment.

# Torsynth 5W-40

## Safety Data Sheet

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

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

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour.  
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container closed when not in use. Keep in a cool, well-ventilated place away from heat.  
Storage temperature : 0 – 40 °C

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

| Torsynth 5W-40  |   |
|---|---|
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b>   |   |
| Exposure limits/standards for materials that can be formed when handling this product. When mists/aerosols can occur the following is recommended | 5 mg/m <sup>3</sup> - ACGIH TLV (inhalable fraction). |

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

**Appropriate engineering controls:**

Ensure good ventilation of the work station.

# Torsynth 5W-40

## Safety Data Sheet

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

### 8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

**Eye protection:**

Safety glasses

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

#### 8.2.2.2. Skin protection

**Skin and body protection:**

Wear suitable protective clothing

**Hand protection:**

Protective gloves

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

**Other skin protection**

**Materials for protective clothing:**

Wear suitable protective clothing

#### 8.2.2.3. Respiratory protection

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

**Environmental exposure controls:**

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

|                       |  |
|-----------------------|--|
| Physical state        | : Liquid   |
| Colour                | : brown.   |
| Odour                 | : characteristic.                                  |
| Odour threshold       | : Not available                                    |
| Melting point         | : Not applicable                                   |
| Freezing point        | : -39 °C - ASTM D5950 (pour point)                 |
| Boiling point         | : Not available                                    |
| Flammability          | : Not applicable                                   |
| Explosive properties  | : Presents no particular fire or explosion hazard. |
| Explosive limits      | : Not available                                    |
| Lower explosion limit | : Not available                                    |

# Torsynth 5W-40

## Safety Data Sheet

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

|   |  |
|---|--|
| Upper explosion limit                           | : Not available                                |
| Flash point                                     | : 230 °C - ASTM D92 (COC)                      |
| Auto-ignition temperature                       | : Not available                                |
| Decomposition temperature                       | : Not available                                |
| pH  | : Not available                                |
| Viscosity, kinematic                            | : 83,9 mm <sup>2</sup> /s (40 °C) - ASTM D7279 |
| Solubility                                      | : Water: Insoluble / Slightly miscible         |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                                |
| Vapour pressure                                 | : Not available                                |
| Vapour pressure at 50°C                         | : Not available                                |
| Density   | : 0,856 kg/l (15 °C) - ASTM D4052              |
| Relative density                                | : Not available                                |
| Relative vapour density at 20°C                 | : Not available                                |
| Particle characteristics                        | : Not applicable                               |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

VOC content : 0 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

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

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No decomposition if stored normally.

## SECTION 11: Toxicological information

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

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

| Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6) |   |
|---|---|
| LD50 oral rat   | 2900 mg/kg  |
| LD50 dermal rabbit  | > 5000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

# Torsynth 5W-40

## Safety Data Sheet

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

| <b>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</b>                                 |  |
|--|--|
| LD50 oral rat  | > 5000 mg/kg   |
| LD50 dermal rabbit   | > 2000 mg/kg   |
| LC50 Inhalation - Rat  | > 5,53 mg/l/4h   |
| <b>Blend of mineral oils *</b>   |  |
| LD50 oral rat  | > 5000 mg/kg Data from similar product   |
| LD50 dermal rabbit   | > 5000 mg/kg Data from similar product   |
| LC50 Inhalation - Rat (Dust/Mist)  | > 5 mg/l/4h Data from similar product  |
| <b>Reaction products of Benzeneamine, N-phenyl- with nonene (branched) (36878-20-3)</b>                    |  |
| LD50 oral rat  | > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Remarks on results: other:   |
| LD50 dermal rat  | > 2000 mg/kg bodyweight (OECD 402 method)  |
| Skin corrosion/irritation  | : Not classified   |
| <b>Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6)</b> |  |
| pH   | ≈ 7 Temp.: 25 °C Concentration: (≈)0,00116 other: Remarks on result: 'other:'  |
| Serious eye damage/irritation  | : Not classified (The eye irritation hazard is based on an evaluation of the data for similar products. These data show that a specific component present in this product antagonizes (or decreases the severity of) the eye irritation of the ZnDTP.) |
| <b>Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6)</b> |  |
| pH   | ≈ 7 Temp.: 25 °C Concentration: (≈)0,00116 other: Remarks on result: 'other:'  |
| Respiratory or skin sensitisation  | : Not classified   |
| Germ cell mutagenicity   | : Not classified   |
| Carcinogenicity  | : Not classified   |
| Reproductive toxicity  | : Not classified   |
| STOT-single exposure   | : Not classified   |
| STOT-repeated exposure   | : Not classified   |
| <b>Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6)</b> |  |
| NOAEL (oral, rat, 90 days)   | 125 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)  |
| Aspiration hazard  | : Not classified   |
| <b>Torsynth 5W-40</b>  |  |
| Viscosity, kinematic   | 83,9 mm <sup>2</sup> /s (40 °C) - ASTM D7279   |
| <b>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</b>                                 |  |
| Viscosity, kinematic   | < 20,5 mm <sup>2</sup> /s  |
| Aliphatic, alicyclic or aromatic hydrocarbon   | Yes  |
| <b>Blend of mineral oils *</b>   |  |
| Viscosity, kinematic   | < 20,5 mm <sup>2</sup> /s  |
| Aliphatic, alicyclic or aromatic hydrocarbon   | Yes  |

### 11.2. Information on other hazards

No additional information available

# Torsynth 5W-40

## Safety Data Sheet

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

### SECTION 12: Ecological information

#### 12.1. Toxicity

|   |   |
|---|---|
| Ecology - general   | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified  |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified  |
| Not rapidly degradable                                    |   |

| 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 - Crustacea [1]  | 75 mg/l (48h, Daphnia magna)                            |
| EC50 72h - Algae [1]  | 240 mg/l (72h, Scenedesmus subspicatus)                 |
| NOEC chronic crustacea  | 0,8 mg/l (21d)  |

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) |  |
|---|--|
| LC50 - Fish [1]   | > 100 mg/l (Pimephales promelas, 96h) (OECD 203 method)            |
| EC50 - Crustacea [1]  | > 10000 mg/l (Gammarus pulex, 48h) (OECD 202 method)               |
| EC50 72h - Algae [1]  | > 100 mg/l   |
| NOEC (acute)  | ≥ 100 mg/l (Pseudokirchnerella subcapitata, 72h) (OECD 201 method) |
| NOEC chronic crustacea  | 10 mg/l (Daphnia magna, 21d) (OECD 211 method)                     |

| Blend of mineral oils * |  |
|-------------------------|--|
| LC50 - Fish [1]         | > 100 mg/l Data from similar product         |
| EC50 - Crustacea [1]    | > 10000 mg/l Data from similar product       |
| EC50 72h - Algae [1]    | > 100 mg/l Data from similar product         |
| NOEC chronic crustacea  | > 10 mg/l                                    |
| NOEC chronic algae      | > 10 mg/l (Water flea (Daphnia magna), 21 d) |

| Reaction products of Benzeneamine, N-phenyl- with nonene (branched) (36878-20-3) |  |
|--|--|
| LC50 - Fish [1]  | > 100 mg/l Brachydanio rerio (zebra-fish)          |
| EC50 - Crustacea [1]   | > 100 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1]   | > 100 mg/l   |
| NOEC chronic crustacea   | > 10 mg/l  |
| NOEC chronic algae   | > 10 mg/l  |

#### 12.2. Persistence and degradability

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) |                               |
|---|-------------------------------|
| Biodegradation  | 31 % (28d) (OECD 301F method) |

| Reaction products of Benzeneamine, N-phenyl- with nonene (branched) (36878-20-3) |                                    |
|--|------------------------------------|
| Biodegradation   | 1 % (test concentration 20,1 mg/l) |

#### 12.3. Bioaccumulative potential

No additional information available



# Torsynth 5W-40

## Safety Data Sheet

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

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|  |   |
|--|---|
| Waste treatment methods                    | : Do not allow into drains or water courses. Dispose of contents/container in accordance with licensed collector's sorting instructions.  |
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations.   |
| European List of Waste (LoW) code          | : 13 02 05* - mineral-based non-chlorinated engine, gear and lubricating oils   |
| HP Code                                    | : HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration. |

## SECTION 14: Transport information

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

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

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

# Torsynth 5W-40

## Safety Data Sheet

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

### Inland waterway transport

Not regulated

### Rail transport

Not regulated

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

| EU restriction list (REACH Annex XVII) |  |
|--|--|
| Reference code                         | Applicable on  |
| 3(b)                                   | Distillates (petroleum), hydrotreated heavy paraffinic |

##### REACH Annex XIV (Authorisation List)

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

##### REACH Candidate List (SVHC)

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

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

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

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

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

##### Ozone Regulation (1005/2009)

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

##### VOC Directive (2004/42)

VOC content : 0 %

##### Explosives Precursors Regulation (2019/1148)

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

##### Drug Precursors Regulation (273/2004)

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

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Indication of changes |  |          |          |
|-----------------------|--|----------|----------|
| Section               | Changed item                           | Change   | Comments |
| 3                     | Composition/information on ingredients | Modified |          |
| 9.1                   | Density                                | Modified |          |

# Torsynth 5W-40

## Safety Data Sheet

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

| Indication of changes |                      |          |          |
|-----------------------|----------------------|----------|----------|
| Section               | Changed item         | Change   | Comments |
| 9.1                   | Viscosity, kinematic | Modified |          |
| 9.1                   | Flash point          | Modified |          |

| Abbreviations and acronyms: |   |
|-----------------------------|---|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                         | Acute Toxicity Estimate   |
| BCF                         | Bioconcentration factor   |
| BLV                         | Biological limit value  |
| BOD                         | Biochemical oxygen demand (BOD)   |
| COD                         | Chemical oxygen demand (COD)  |
| DMEL                        | Derived Minimal Effect level  |
| DNEL                        | Derived-No Effect Level   |
| EC-No.                      | European Community number   |
| EC50                        | Median effective concentration  |
| EN                          | European Standard   |
| IARC                        | International Agency for Research on Cancer   |
| IATA                        | International Air Transport Association   |
| IMDG                        | International Maritime Dangerous Goods  |
| LC50                        | Median lethal concentration   |
| LD50                        | Median lethal dose  |
| LOAEL                       | Lowest Observed Adverse Effect Level  |
| NOAEC                       | No-Observed Adverse Effect Concentration  |
| NOAEL                       | No-Observed Adverse Effect Level  |
| NOEC                        | No-Observed Effect Concentration  |
| OECD                        | Organisation for Economic Co-operation and Development  |
| OEL                         | Occupational Exposure Limit   |
| PBT                         | Persistent Bioaccumulative Toxic  |
| PNEC                        | Predicted No-Effect Concentration   |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail                    |
| SDS                         | Safety Data Sheet   |
| STP                         | Sewage treatment plant  |
| ThOD                        | Theoretical oxygen demand (ThOD)  |
| TLM                         | Median Tolerance Limit  |
| VOC                         | Volatile Organic Compounds  |
| CAS-No.                     | Chemical Abstract Service number  |
| N.O.S.                      | Not Otherwise Specified   |
| vPvB                        | Very Persistent and Very Bioaccumulative  |

# Torsynth 5W-40

## Safety Data Sheet

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

### Abbreviations and acronyms:

|    |                                 |
|----|---------------------------------|
| ED | Endocrine disrupting properties |
|----|---------------------------------|

### Full text of H- and EUH-statements:

|                   |   |
|-------------------|---|
| 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   |
| EUH208            | Contains Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs, calcium salts. May produce an allergic reaction. |
| EUH210            | Safety data sheet available on request.   |
| Eye Dam. 1        | Serious eye damage/eye irritation, Category 1   |
| Eye Irrit. 2      | Serious eye damage/eye irritation, Category 2   |
| H304              | May be fatal if swallowed and enters airways.   |
| H317              | May cause an allergic skin reaction.  |
| H318              | Causes serious eye damage.  |
| H319              | Causes serious eye irritation.  |
| H411              | Toxic to aquatic life with long lasting effects.  |
| H413              | May cause long lasting harmful effects to aquatic life.   |
| Skin Sens. 1B     | Skin sensitisation, category 1B   |

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.