



# Unigear LS GL3/GL5 85W-140

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 17-5-2018 Revision date: 4-3-2025 Supersedes version of: 13-6-2024 Version: 3.0

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Unigear LS GL3/GL5 85W-140  
Product code : 02.10.35  
Type of product : Lubricants  
Product group : Trade product

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

##### Relevant identified uses

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

#### 1.3. Details of the supplier of the safety data sheet

Kroon-Oil 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/Area   | Organisation/Company  | Address                           | Emergency number   | Comment                              |
|----------------|---|-----------------------------------|--|--------------------------------------|
| Ireland        | National Poisons Information Centre<br>Beaumont Hospital                                  | PO Box 1297<br>Beaumont Road<br>9 | +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           | 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]

Hazardous to the aquatic environment – Chronic Hazard, H412  
Category 3  
Full text of H- and EUH-statements: see section 16

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

Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

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

Signal word (CLP) : -  
Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.  
Precautionary statements (CLP) : P273 - Avoid release to the environment.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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EUH-statements : EUH208 - Contains Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched). May produce an allergic reaction.

### 2.3. Other hazards

Contains PBT substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

| Component   |   |
|---|---|
| Substance(s) meeting the PBT criteria of REACH regulation, in accordance with Annex XIII      | O,O,O-triphenyl phosphorothioate (597-82-0) |
| Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII | O,O,O-triphenyl phosphorothioate (597-82-0) |

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 substance(s) are 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 %

| Component   |   |
|---|---|
| Substance(s) not 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 | O,O,O-triphenyl phosphorothioate (597-82-0) |

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Comments : Highly refined mineral oils and additives.

| Name  | Product identifier   | %         | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                |
|---|--|-----------|--|
| Polysulfides, di-tert-Bu  | CAS-No.: 68937-96-2<br>EC-No.: 273-103-3<br>REACH-no: 01-2119540515-43 | 1 – 5     | Skin Sens. 1B, H317<br>Aquatic Chronic 3, H412   |
| Blend of mineral oils *<br>(*)(Note L)  | -  | 0,3 – 2,5 | Asp. Tox. 1, H304  |
| Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) | EC-No.: 931-384-6<br>REACH-no: 01-2119493620-38                        | 0,3 – 2,5 | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411 |
| O,O,O-triphenyl phosphorothioate substance listed on REACH Candidate List PBT substance   | CAS-No.: 597-82-0<br>EC-No.: 209-909-9<br>REACH-no: 01-2119979545-21   | < 1       | Aquatic Chronic 1, H410  |

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| Specific concentration limits:  |  |   |
|---|--|---|
| Name  | Product identifier   | Specific concentration limits (%)   |
| Polysulfides, di-tert-Bu  | CAS-No.: 68937-96-2<br>EC-No.: 273-103-3<br>REACH-no: 01-2119540515-43 | (46 < C ≤ 100) Skin Sens. 1B; H317  |
| Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) | EC-No.: 931-384-6<br>REACH-no: 01-2119493620-38                        | (9,39 < C ≤ 100) Skin Sens. 1; H317<br>(50 < C ≤ 100) Eye Dam. 1; H318<br>(50 < C ≤ 100) Eye Irrit. 2; H319 |

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

\*: 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 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 : If you feel unwell, seek medical advice.  
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.  
Symptoms/effects after inhalation : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.  
Symptoms/effects after skin contact : None under normal conditions.  
Symptoms/effects after eye contact : None under normal conditions.  
Symptoms/effects after ingestion : None under normal conditions.

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

Treat symptomatically. 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 : No fire hazard.  
Explosion hazard : No direct explosion hazard.  
Hazardous decomposition products in case of fire : Toxic fumes may be released.

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### 5.3. Advice for firefighters

- Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
- 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

- 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 : Wear recommended personal protective equipment.
- Emergency procedures : Ventilate spillage area.

#### 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".
- Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

### 6.2. Environmental precautions

Avoid release to the environment.

### 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.
- 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

- Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.
- 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

- Technical measures : Keep in a cool, well-ventilated place away from heat.
- Storage conditions : Keep container closed when not in use. Keep in a cool, well-ventilated place away from heat.
- Storage temperature : 0 – 40 °C
- Packaging materials : Store always product in container of same material as original container.

### 7.3. Specific end use(s)

No additional information available

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

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

| Unigear LS GL3/GL5 85W-140  |   |
|---|---|
| <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). |

#### 8.2. Exposure controls

##### Appropriate engineering controls

###### Appropriate engineering controls:

Ensure good ventilation of the work station.

##### Personal protection equipment

###### Personal protective equipment:

Wear recommended personal protective equipment.

###### Personal protective equipment symbol(s):



##### Eye and face protection

###### Eye protection:

Safety glasses

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

##### 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

##### Respiratory protection

###### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

##### Environmental exposure controls

###### Environmental exposure controls:

Avoid release to the environment.

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### SECTION 9: Physical and chemical properties

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

|   |  |
|---|--|
| Physical state                                  | : Liquid   |
| Colour  | : brown.   |
| Odour   | : Not available                                    |
| Odour threshold                                 | : Not available                                    |
| Melting point                                   | : Not applicable                                   |
| Freezing point                                  | : -18 °C - ASTM D5950 (pour point)                 |
| Boiling point                                   | : Not available                                    |
| Flammability                                    | : Not applicable                                   |
| Explosive properties                            | : Presents no particular fire or explosion hazard. |
| Lower explosion limit                           | : Not available                                    |
| Upper explosion limit                           | : Not available                                    |
| Flash point                                     | : 222 °C - ASTM D92 (COC)                          |
| Auto-ignition temperature                       | : Not available                                    |
| Decomposition temperature                       | : Not available                                    |
| pH  | : Not available                                    |
| Viscosity, kinematic                            | : 345,8 mm <sup>2</sup> /s (40 °C) - ASTM D7042    |
| 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   | : 0,914 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

##### 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

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.

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### 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

#### Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched)

|               |                              |
|---------------|------------------------------|
| LD50 oral rat | 2000 mg/kg (OECD 401 method) |
|---------------|------------------------------|

#### Blend of mineral oils \*

|                                   |  |
|-----------------------------------|--|
| 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  |

#### O,O,O-triphenyl phosphorothioate (597-82-0)

|                 |  |
|-----------------|--|
| LD50 oral rat   | > 10000 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), Guideline: EU Method B.3 (Acute Toxicity (Dermal)) |

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

#### O,O,O-triphenyl phosphorothioate (597-82-0)

|                             |  |
|-----------------------------|--|
| NOAEL (animal/male, F0/P)   | 300 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test), Guideline: other:    |
| NOAEL (animal/female, F0/P) | 1000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test), Guideline: other: |
| NOAEL (animal/male, F1)     | 300 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test), Guideline: other:    |
| NOAEL (animal/female, F1)   | 1000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test), Guideline: other: |

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

#### Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched)

|                            |                                  |
|----------------------------|----------------------------------|
| NOAEL (oral, rat, 90 days) | 150 mg/kg bodyweight Animal: rat |
|----------------------------|----------------------------------|

Aspiration hazard : Not classified

#### Unigear LS GL3/GL5 85W-140

|                      |   |
|----------------------|---|
| Viscosity, kinematic | 345,8 mm <sup>2</sup> /s (40 °C) - ASTM D7042 |
|----------------------|---|

#### Blend of mineral oils \*

|  |                           |
|--|---------------------------|
| Viscosity, kinematic                         | < 20,5 mm <sup>2</sup> /s |
| Aliphatic, alicyclic or aromatic hydrocarbon | Yes                       |

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### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |  |
|---|--|
| Ecology - general   | : Harmful to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified                                     |
| Hazardous to the aquatic environment, long-term (chronic) | : Harmful to aquatic life with long lasting effects. |

#### Polysulfides, di-tert-Bu (68937-96-2)

|                      |  |
|----------------------|--|
| EC50 - Crustacea [1] | 63 mg/l  |
| EC50 72h - Algae [1] | 0,838 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| EC50 96h - Algae [1] | > 100 mg/l   |

#### Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched)

|                        |  |
|------------------------|--|
| LC50 - Fish [1]        | 24 mg/l (Oncorhynchus mykiss, 96h) (OECD 203 method)   |
| LC50 - Fish [2]        | 8,5 mg/l (Pimephales promelas, 96h) (OECD 203 method)  |
| EC50 - Crustacea [1]   | 91,4 mg/l (Daphnia magna, 48h) (OECD 202 method)   |
| EC50 96h - Algae [1]   | 6,4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| EC50 96h - Algae [2]   | 15 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)  |
| NOEC chronic crustacea | 0,12 mg/l (Daphnia magna, 21d) (OECD 211 method)   |
| NOEC chronic algae     | 1,7 mg/l (Pseudokirchnerella subcapitata, 96h) (OECD 201 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) |

#### O,O,O-triphenyl phosphorothioate (597-82-0)

|                        |  |
|------------------------|--|
| LC50 - Fish [1]        | > 100 mg/l (Brachydanio rerio), 4 d                |
| EC50 - Crustacea [1]   | > 100 mg/l Test organisms (species): Daphnia magna |
| ErC50 algae            | > 100 mg/l (Scenedesmus quadricauda), 3 d          |
| NOEC chronic crustacea | > 5,5 mg/l (Daphnia Magna), 21 d                   |

### 12.2. Persistence and degradability

#### Unigear LS GL3/GL5 85W-140

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|



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### Polysulfides, di-tert-Bu (68937-96-2)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
| Biodegradation                | 13 % (Sturm, 28 d)     |

### Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched)

|                               |                                     |
|-------------------------------|-------------------------------------|
| Persistence and degradability | Not rapidly degradable              |
| Biodegradation                | 3,6 % Sturm (28 d) [ASTM D-5864-95] |

### Blend of mineral oils \*

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

### O,O,O-triphenyl phosphorothioate (597-82-0)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

## 12.3. Bioaccumulative potential

### Polysulfides, di-tert-Bu (68937-96-2)

|   |                                      |
|---|--------------------------------------|
| Partition coefficient n-octanol/water (Log Kow) | 6 (Octanol/water coefficient, 0,1 d) |
|---|--------------------------------------|

### Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched)

|   |                                |
|---|--------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | < 0,3 (40°C) (OECD 117 method) |
|---|--------------------------------|

## 12.4. Mobility in soil

No additional information available

## 12.5. Results of PBT and vPvB assessment

### Component

|   |   |
|---|---|
| Substance(s) meeting the PBT criteria of REACH regulation, in accordance with Annex XIII      | O,O,O-triphenyl phosphorothioate (597-82-0) |
| Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII | O,O,O-triphenyl phosphorothioate (597-82-0) |

## 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

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

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HP Code : HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.  
HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

### 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 applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.4. Packing group</b>              |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.5. Environmental hazards</b>      |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available  |                |                |                |                |

### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Inland waterway transport

Not applicable

#### Rail transport

Not applicable

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

Not applicable

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### 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)                                   | Polysulfides, di-tert-Bu ; Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) ; Blend of mineral oils *    | 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)                                   | Unigear LS GL3/GL5 85W-140 ; Polysulfides, di-tert-Bu ; Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (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: O,O,O-triphenyl phosphorothioate (EC 209-909-9, CAS 597-82-0)

##### 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)

##### 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

##### 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)

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

# Unigear LS GL3/GL5 85W-140

## Safety Data Sheet

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

### SECTION 16: Other information

| Indication of changes |   |                 |
|-----------------------|---|-----------------|
| Section               | Changed item  | Comments        |
|                       | Revision date   | <b>Modified</b> |
|                       | Supersedes  | <b>Modified</b> |
| 2.1                   | Classification according to Regulation (EC) No. 1272/2008 [CLP] | <b>Added</b>    |
| 2.1                   | Adverse physicochemical, human health and environmental effects | <b>Modified</b> |
| 2.2                   | EUH-statements  | <b>Modified</b> |
| 2.2                   | Hazard statements (CLP)   | <b>Added</b>    |
| 2.2                   | Precautionary statements (CLP)                                  | <b>Added</b>    |
| 3                     | Composition/information on ingredients                          | <b>Modified</b> |
| 4.1                   | First-aid measures for first aider                              | <b>Added</b>    |
| 4.3                   | Other medical advice or treatment                               | <b>Modified</b> |
| 10.3                  | Possibility of hazardous reactions                              | <b>Modified</b> |
| 12.1                  | Ecology - general   | <b>Modified</b> |

| 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  |

# Unigear LS GL3/GL5 85W-140

## Safety Data Sheet

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

| Abbreviations and acronyms: |  |
|-----------------------------|--|
| 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                                     |
| ED                          | Endocrine disruptor  |

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4   |
| 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 3                   | Hazardous to the aquatic environment – Chronic Hazard, Category 3   |
| Asp. Tox. 1                         | Aspiration hazard, Category 1   |
| EUH208                              | Contains Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched). May produce an allergic reaction. |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1   |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2   |
| H302                                | Harmful if swallowed.   |
| 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.  |
| H410                                | Very toxic to aquatic life with long lasting effects.   |
| H411                                | Toxic to aquatic life with long lasting effects.  |
| H412                                | Harmful to aquatic life with long lasting effects.  |
| Skin Sens. 1                        | Skin sensitisation, Category 1  |
| 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.