



Kroon-Oil Duranza LSP 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2015/830
Issue date: 17-5-2018 Revision date: 6-12-2021 Supersedes version of: 17-5-2018 Version: 1.1

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

1.1. Product identifier

Product form : Mixture
Trade name : Kroon-Oil Duranza LSP 5W-30
Product code : 01.40.87
Type of product : Lubricants
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

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

1.4. Emergency telephone number

| Country | Organisation/Company | Address | Emergency number | Comment |
|----------------|---|--|--|--------------------------------------|
| 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) | |
| United Kingdom | National Poisons Information Service (Cardiff Centre) University Hospital Llandough | Penlan Road CF64 2XX Llandough | 0344 892 0111 | Only for healthcare 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 C14-16-18 Alkyl phenol. May produce an allergic reaction.
EUH210 - Safety data sheet available on request.

Kroon-Oil Duranza LSP 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2015/830

2.3. Other hazards

No additional information available

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 EC-No.: 265-157-1 EC Index-No.: 649-467-00-8 REACH-no: 01-2119484627-25 | ≥ 80 | Asp. Tox. 1, H304 |
| Distillates (petroleum), solvent-dewaxed light paraffinic substance with a Community workplace exposure limit (Note L) | CAS-No.: 64742-56-9 EC-No.: 265-159-2 EC Index-No.: 649-469-00-9 REACH-no: 01-2119480132-48 | 0,1 – 2,5 | Asp. Tox. 1, H304 |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (Note L) | CAS-No.: 64742-65-0 EC-No.: 265-169-7 REACH-no: 01-2119471299-27 | 0,1 – 2,5 | Asp. Tox. 1, H304 |
| zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate) | CAS-No.: 93819-94-4 EC-No.: 298-577-9 REACH-no: 01-2119543726-33 | 0,3 – 2,5 | Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411 |
| Bis(nonylphenyl)amine | CAS-No.: 36878-20-3 EC-No.: 253-249-4 REACH-no: 01-2119488911-28 | 0,3 – 2,5 | Aquatic Chronic 4, H413 |
| C14-16-18 Alkyl phenol | EC-No.: 931-468-2 REACH-no: 01-2119498288-19 | 0,1 – 2,5 | Skin Sens. 1B, H317 STOT RE 2, H373 |
| Paraffin oils (petroleum), catalytic dewaxed heavy | CAS-No.: 64742-70-7 EC-No.: 265-174-4 REACH-no: 01-2119487080-42 | 0,1 – 2,5 | Asp. Tox. 1, H304 |

Specific concentration limits:

| Name | Product identifier | Specific concentration limits |
|--|--|---|
| zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate) | CAS-No.: 93819-94-4 EC-No.: 298-577-9 REACH-no: 01-2119543726-33 | (6,25 ≤C ≤ 100) Skin Irrit. 2, H315 (10 ≤C < 12,5) Eye Irrit. 2, H319 (12,5 ≤C ≤ 100) Eye Dam. 1, H318 |

Kroon-Oil Duranza LSP 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2015/830

| Specific concentration limits: | | |
|--------------------------------|---|------------------------------------|
| Name | Product identifier | Specific concentration limits |
| C14-16-18 Alkyl phenol | EC-No.: 931-468-2 REACH-no: 01-2119498288-19 | (10 ≤C < 100) Skin Sens. 1B, H317 |

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

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 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".

Kroon-Oil Duranza LSP 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2015/830

6.2. Environmental precautions

Avoid release to the environment.

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

| Kroon-Oil Duranza LSP 5W-30 | |
|---|---|
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| 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 ³ - ACGIH TLV (inhalable fraction). |
| Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9) | |
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| IOEL TWA | 5 mg/m ³ |

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

Kroon-Oil Duranza LSP 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2015/830

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment 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 | : light brown. |
| Odour | : characteristic. |
| Odour threshold | : No data available |
| pH | : No data available |

Kroon-Oil Duranza LSP 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2015/830

| | |
|---|--|
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : Not applicable |
| Freezing point | : -39 °C - ASTM D5950 (pour point) |
| Boiling point | : No data available |
| Flash point | : 220 °C - ASTM D92 (COC) |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Not applicable |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Density | : 0,845 kg/l (15 °C) - ASTM D4052 |
| Solubility | : Water : Practically not miscible. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic | : 54,5 mm ² /s (40 °C) - ASTM D7279 |
| Viscosity, dynamic | : No data available |
| Explosive properties | : Presents no particular fire or explosion hazard. |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

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 toxicological effects

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

C14-16-18 Alkyl phenol

| | |
|-----------------|-------------------------|
| LD50 oral rat | > 2000 mg/kg bodyweight |
| LD50 dermal rat | > 2000 mg/kg bodyweight |

Kroon-Oil Duranza LSP 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2015/830

| Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9) | |
|--|--|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |
| LC50 Inhalation - Rat (Dust/Mist) | 5,53 mg/l/4h |
| zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate) (93819-94-4) | |
| LD50 oral | 2600 mg/kg |
| LD50 dermal rabbit | > 3160 mg/kg |
| LC50 Inhalation - Rat | > 2 mg/l (1h) - OECD403 |
| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| LC50 Inhalation - Rat | > 5,53 mg/l/4h |
| Bis(nonylphenyl)amine (36878-20-3) | |
| LD50 oral rat | > 5000 mg/kg bodyweight (OECD 401 method) |
| LD50 dermal rat | > 2000 mg/kg bodyweight (OECD 402 method) |
| 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 |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |
| C14-16-18 Alkyl phenol | |
| STOT-repeated exposure | May cause damage to organs (liver) through prolonged or repeated exposure. |
| Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9) | |
| LOAEL (oral, rat, 90 days) | 125 mg/kg bodyweight/day |
| NOAEL (subchronic, oral, animal/male, 90 days) | ≥ 2000 mg/kg bodyweight |
| NOAEL (subchronic, oral, animal/female, 90 days) | ≥ 2000 mg/kg bodyweight |
| Aspiration hazard | : Not classified |
| Kroon-Oil Duranza LSP 5W-30 | |
| Viscosity, kinematic | 54,5 mm ² /s (40 °C) - ASTM D7279 |

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 | |

Kroon-Oil Duranza LSP 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2015/830

| C14-16-18 Alkyl phenol | |
|-------------------------------|------------|
| LC50 - Fish [1] | > 100 mg/l |
| EC50 - Crustacea [1] | > 100 mg/l |
| EC50 72h - Algae [1] | ≥ 100 mg/l |

| zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate) (93819-94-4) | |
|--|--|
| LC50 - Fish [1] | 4,5 mg/l 96 h (Oncorhynchus mykiss) [OECD 203] |
| EC50 - Crustacea [1] | 5,4 mg/l 48 h (Daphnia magna) [OECD 202] |
| ErC50 algae | 2,1 mg/l 96 h (Selenastrum capricornutum) [OECD 201] |

| 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 - Crustacea [2] | > 10000 mg/l (Daphnia magna, 48h) (OECD 202 method) |
| NOEC (acute) | ≥ 100 mg/l (Pseudokirchnerella subcapitata, 72h) (OECD 201 method) |
| NOEC chronic fish | ≥ 1000 mg/l (Oncorhynchus mykiss - QSAR Petrotox, 14/28d) |
| NOEC chronic crustacea | 10 mg/l (Daphnia magna, 21d) (OECD 211 method) |

| Bis(nonylphenyl)amine (36878-20-3) | |
|---|---|
| LC50 - Fish [1] | > 100 mg/l Brachydanio rerio (zebra-fish) |
| EC50 - Crustacea [1] | > 100 mg/l (OECD 202 method) |
| 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), solvent-dewaxed light paraffinic (64742-56-9) | |
|---|----------------------------|
| Persistence and degradability | Potentially biodegradable. |

| zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate) (93819-94-4) | |
|--|----------------------------------|
| Persistence and degradability | Not readily biodegradable. |
| Biodegradation | 1,5 % 28 d - 10mg/l [OECD 301 B] |

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

| Bis(nonylphenyl)amine (36878-20-3) | |
|---|------------------------------------|
| Biodegradation | 1 % (test concentration 20,1 mg/l) |

12.3. Bioaccumulative potential

| C14-16-18 Alkyl phenol | |
|---|-------|
| Partition coefficient n-octanol/water (Log Pow) | > 7,2 |

| Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9) | |
|---|-----|
| Partition coefficient n-octanol/water (Log Pow) | > 3 |

Kroon-Oil Duranza LSP 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2015/830

zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate) (93819-94-4)

Partition coefficient n-octanol/water (Log Pow) 0,9 (23 °C)

12.4. Mobility in soil

Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)

Ecology - soil Insoluble in water.

12.5. Results of PBT and vPvB assessment

Component

| | |
|---|---|
| Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate) (93819-94-4) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

12.6. Other adverse effects

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

SECTION 14: Transport information

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

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

14.6. Special precautions for user

Overland transport

Not regulated

Kroon-Oil Duranza LSP 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2015/830

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

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

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

| EU restriction list (REACH Annex XVII) | |
|--|---|
| Reference code | Applicable on |
| 3. | zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate) ; Bis(nonylphenyl)amine |
| 3(b) | zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate) ; Distillates (petroleum), hydrotreated heavy paraffinic |
| 3(c) | zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate) ; Bis(nonylphenyl)amine |

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

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

VOC content : 0 %

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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

Distillates (petroleum), solvent-dewaxed light paraffinic

SECTION 16: Other information

| Indication of changes | | | |
|-----------------------|------------------------------------|----------|----------|
| Section | Changed item | Change | Comments |
| | Issue date | Modified | |
| 2.2 | EUH-statements | Modified | |
| 4.1 | First-aid measures after ingestion | Modified | |
| 4.2 | Symptoms/effects | Modified | |

Kroon-Oil Duranza LSP 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2015/830

| Indication of changes | | | |
|-----------------------|----------------------------|----------|----------|
| Section | Changed item | Change | Comments |
| 15.1 | REACH Annex XVII | Modified | |
| 16 | Abbreviations and acronyms | 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 |

Kroon-Oil Duranza LSP 5W-30

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2015/830

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 C14-16-18 Alkyl phenol. 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. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H413 | May cause long lasting harmful effects to aquatic life. |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1B | Skin sensitisation, category 1B |
| STOT RE 2 | Specific target organ toxicity — Repeated exposure, Category 2 |

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.