# Öryggisblað (SDS)

Samkvæmt reglugerð Nr. 888/2015 (reglugerð EB Nr. 1907/2006 REACH)

## 1. Auðkenning efnisins eða blöndunnar og félagsins eða fyrirtækisins

**1.1 Vörukenni:** **75254 - RACING POWER 4T 10W-50**

**1.2 Viðeigandi og tilgreind notkun efnis eða blöndu og notkun sem ráðið er frá:**

**Viðeigandi notkun** Smurefni.

**Notkun sem ráðið er frá** -

**1.3 Söluaðili:**

**N1**
Dalvegur 10-14
201 Kópavogur

**Sími:** 4401000
**Netfang:** n1@n1.is
**Veffang:** www.n1.is

**Framleiðandi:**
North Sea Lubricants B.V.
Ampèrestraat 5
NL– 3846AN Harderwijk
Holland
00-31-651345369
support@northsealubricants.com
www.northsealubricants.com

**1.4 Neyðarsímanúmer:** Eitrunarmiðstöð LSH veitir upplýsingar allan sólarhringinn um viðbrögð við slysum með hættuleg efni. Sími 543 2222. Neyðarlínan, lögregla, slökkvilið, sjúkraflutningar; sími 112.

## 2. Hættugreining

**2.1 Flokkun efnisins eða blöndunnar:**

**Flokkun skv. reglugerð EB 1272/2008 (CLP):**

Efnið hefur ekki verið flokkað.
Samkvæmt okkar vitneskju, hefur notkun þessarar vöru engar sérstakar hættur í för með sér, sé viðurkenndum öryggis- og hreinlætisvenjum fylgt.

**2.2 Merkingaratriði:**

**Merking skv. reglugerð EB 1272/2008 (CLP):**

**Hættumerki** Engin.

**Viðvörunarorð** Ekkert.

**Hættusetningar** Engar.

**Varnaðarsetningar**

| | |
|---|---|
| P102 | Geymist þar sem börn ná ekki til |
| EUH208 | Inniheldur mólýbden pólýsúlfíð / alkýl díþíókarbamat komplex. Getur framkallað ofnæmisviðbrögð. |

**2.3 Aðrar hættur:** Varan inniheldur engin efni sem flokkast sem PBT eða vPvB(>0,1%). REACH viðauki XIII. (**PBT**: Þrávirkt, safnast upp í lífverum, eitrað. **vPvB**: Afar þrávirkt, safnast mjög fyrir í lífverum).

*Sjá einnig 11. og 15. lið.*

Þessi efnablanda inniheldur ekki efnasambönd á lista skv. grein 59(1) í REACH reglugerð, sem fjallar um truflun á starfsemi innkirtla, eða valda slíkum truflunum skv. skilgreiningum í reglugerð (EU) 2017/2100 og (EU) 2018/605, í styrk yfir eða jafnt og 0,1%.

# 75254 - RACING POWER 4T 10W-50

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 07/03/2023 Revision date: 07/03/2023 Version: 1.0

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

### 1.1. Product identifier

Product form : Mixture
Product name : 75254 - RACING POWER 4T 10W-50
Product code : 75254

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

#### 1.2.1. Relevant identified uses

Intended for general public
Main use category : Professional use,Consumer use
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

North Sea Lubricants B.V. B.V.
Ampèrestraat 5
NL– 3846AN Harderwijk
The Netherlands
T +31 651345369
support@northsealubricants.com - www.northsealubricants.com

### 1.4. Emergency telephone number

Emergency number : +31 (0)786527652
Monday to Friday: 09:00 - 16:00 (CET)

## 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 Molybdenum polysulphide long chain alkyl dithiocarbamate complex. May produce an allergic reaction.

### 2.3. Other hazards

Contains no PBT/vPvB substances ≥ 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

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| 1-Decene,homopolymer,hydrogenated<br>substance with national workplace exposure limit(s) (BG) | CAS-No.: 68037-01-4<br>EC-No.: 500-183-1<br>REACH-no: 01-2119486452-34 | ≥ 55 – < 75 | Asp. Tox. 1, H304 |
| Distillates (petroleum), hydrotreated heavy paraffinic<br>substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IT, LT, LV, NL, PL, PT, RO, SE, SI, SK, IS, NO, CH, TR); substance with a Community workplace exposure limit | CAS-No.: 64742-54-7<br>EC-No.: 265-157-1<br>EC Index-No.: 649-467-00-8<br>REACH-no: 01-2119484627-24, 01-2119484627-25 | ≥ 1 – < 5 | Not classified |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil<br>substance with a Community workplace exposure limit | CAS-No.: 72623-87-1<br>EC-No.: 276-738-4<br>EC Index-No.: 649-483-00-5<br>REACH-no: 01-2119474889-13 | ≥ 1 – < 3 | Asp. Tox. 1, H304 |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based<br>substance with national workplace exposure limit(s) (BE, BG, CZ, DK, ES, FI, GR, HU, IE, LT, LV, NL, PL, PT, SE, SK, IS, NO, CH); substance with a Community workplace exposure limit | CAS-No.: 72623-86-0<br>EC-No.: 276-737-9<br>EC Index-No.: 649-482-00-X<br>REACH-no: 01-2119474878-16 | ≥ 1 – < 3 | Asp. Tox. 1, H304 |
| oct-1-ene | CAS-No.: 111-66-0<br>EC-No.: 203-893-7<br>REACH-no: 01-2119486877-14 | ≤ 1.307 | Asp. Tox. 1, H304 |
| Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate)<br>substance with national workplace exposure limit(s) (SK) | CAS-No.: 2215-35-2<br>EC-No.: 218-679-9<br>REACH-no: 01-2119953275-34 | ≥ 0.3 – < 3 | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Chronic 2, H411 |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic<br>substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IT, LT, LV, NL, PL, PT, RO, SE, SI, SK, IS, NO, CH, TR); substance with a Community workplace exposure limit | CAS-No.: 64742-65-0<br>EC-No.: 265-169-7<br>EC Index-No.: 649-474-00-6<br>REACH-no: 01-2119471299-27 | ≥ 0.1 – < 3 | Not classified |
| Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil | CAS-No.: 64742-70-7<br>EC-No.: 265-174-4<br>EC Index-No.: 649-477-00-2<br>REACH-no: 01-2119487080-42 | ≥ 0.1 – < 3 | Asp. Tox. 1, H304 |

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| Distillates (petroleum), solvent-dewaxed light paraffinic<br>substance with national workplace exposure limit(s) (BE, BG, CZ, DK, ES, FI, GR, HU, IE, LT, LV, NL, PL, PT, RO, SE, SK, IS, NO, CH); substance with a Community workplace exposure limit | CAS-No.: 64742-56-9<br>EC-No.: 265-159-2<br>EC Index-No.: 649-469-00-9<br>REACH-no: 01-2119480132-48 | ≥ 0.1 – < 3 | Asp. Tox. 1, H304 |
| Molybdenum polysulphide long chain alkyl dithiocarbamate complex<br>substance with a Community workplace exposure limit | EC-No.: 457-320-2<br>REACH-no: 01-0000019337-66 | < 0.2 | Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Aquatic Chronic 3, H412 |

| Specific concentration limits: | | |
|---|---|---|
| **Name** | **Product identifier** | **Specific concentration limits** |
| Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate) | CAS-No.: 2215-35-2<br>EC-No.: 218-679-9<br>REACH-no: 01-2119953275-34 | ( 10 ≤C < 100) Eye Dam. 1, H318<br>( 10 ≤C < 100) Eye Irrit. 2, H319 |

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

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.

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

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 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.

### 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 : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Store in a well-ventilated place. Keep cool.

### 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

| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1) | |
|---|---|
| **EU - Indicative Occupational Exposure Limit (IOEL)** | |
| IOEL TWA | 5 mg/m³ |
| IOEL STEL | 10 mg/m³ |

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
|---|---|
| **EU - Indicative Occupational Exposure Limit (IOEL)** | |
| IOEL TWA | 5 mg/m³ |
| **United Kingdom - Occupational Exposure Limits** | |
| WEL TWA (OEL TWA) [1] | 5 mg/m³ |

| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0) | |
|---|---|
| **EU - Indicative Occupational Exposure Limit (IOEL)** | |
| IOEL TWA | 5 mg/m³ |

| Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) | |
|---|---|
| **EU - Indicative Occupational Exposure Limit (IOEL)** | |
| IOEL TWA | 5 mg/m³ |
| IOEL STEL | 10 mg/m³ |
| **United Kingdom - Occupational Exposure Limits** | |
| WEL TWA (OEL TWA) [1] | 5 mg/m³ |
| WEL STEL (OEL STEL) | 10 mg/m³ |

| Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9) | |
|---|---|
| **EU - Indicative Occupational Exposure Limit (IOEL)** | |
| IOEL TWA | 5 mg/m³ ACGIH TLV (inhalable fraction) |

| Molybdenum polysulphide long chain alkyl dithiocarbamate complex | |
|---|---|
| **EU - Indicative Occupational Exposure Limit (IOEL)** | |
| IOEL TWA | 5 mg/m³ |
| IOEL STEL | 10 mg/m³ |

#### 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.

#### 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 |

#### 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 | : | Not available |
| Odour | : | Not available |
| Odour threshold | : | Not available |
| Melting point | : | Not applicable |
| Freezing point | : | -48 °C ASTM D7346 |
| Boiling point | : | Not available |
| Flammability | : | Non flammable. |
| Explosive limits | : | Not available |
| Lower explosion limit | : | Not available |
| Upper explosion limit | : | Not available |
| Flash point | : | 201 °C ASTM D92 |
| Auto-ignition temperature | : | Not available |
| Decomposition temperature | : | Not available |
| pH | : | Not available |
| Viscosity, kinematic | : | 140 mm²/s @ 40°C (ASTM D7042) |
| Solubility | : | insoluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | : | Not available |
| Vapour pressure | : | Not available |
| Vapour pressure at 50°C | : | Not available |
| Density | : | 854 kg/m³ @ 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

No additional information available

## 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.

### 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

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 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

| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1) | |
|---|---|
| LD50 oral (rat) | > 5000 mg/kg |
| LD50 dermal (rabbit) | > 2000 mg/kg |
| LC50 inhalation (rat) (Dust/Mist - mg/l/4h) | > 5.53 mg/l/4h |

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
|---|---|
| LD50 oral (rat) | > 5000 mg/kg bodyweight 401 Acute Oral Toxicity Test |
| LD50 dermal (rabbit) | > 5000 mg/kg 402 Acute Dermal Toxicity Test |
| LC50 inhalation (rat) (mg/l) | > 5000 mg/m³ |
| LC50 inhalation (rat) (Dust/Mist - mg/l/4h) | > 5.53 mg/l/4h 403 Acute Inhalation Toxicity Test |

| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0) | |
|---|---|
| LD50 oral (rat) | > 5000 mg/kg bodyweight 401 Acute Oral Toxicity Test |
| LD50 dermal (rabbit) | > 5000 mg/kg 402 Acute Dermal Toxicity Test |
| LC50 inhalation (rat) (Dust/Mist - mg/l/4h) | > 5.53 mg/l/4h 403 Acute Inhalation Toxicity Test |

| 1-Decene,homopolymer,hydrogenated (68037-01-4) | |
|---|---|
| LD50 oral (rat) | 5000 mg/kg |
| LC50 inhalation (rat) (Dust/Mist - mg/l/4h) | 5.2 mg/l/4h |

| Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate) (2215-35-2) | |
|---|---|
| LD50 oral (rat) | 2230 mg/kg bodyweight OECD 401 |
| LD50 dermal (rabbit) | > 25000 mg/kg bodyweight OECD 402 |

| Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate) (2215-35-2) | |
|---|---|
| LC50 inhalation (rat) (mg/l) | > 2 mg/l OECD 403 (1 hour) |

| Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) | |
|---|---|
| LD50 oral (rat) | > 5000 mg/kg bodyweight 401 Acute Oral Toxicity Test |
| LD50 dermal (rabbit) | > 5000 mg/kg 402 Acute Dermal Toxicity Test |
| LC50 inhalation (rat) (Vapours - mg/l/4h) | > 5.53 mg/l/4h 403 Acute Inhalation Toxicity Test |

| Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil (64742-70-7) | |
|---|---|
| LD50 oral (rat) | > 5000 mg/kg |
| LD50 dermal (rabbit) | > 2000 mg/kg |
| LC50 inhalation (rat) (Dust/Mist - mg/l/4h) | 5 mg/l/4h |

| Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9) | |
|---|---|
| LD50 oral (rat) | > 5000 mg/kg bodyweight |
| LD50 dermal (rat) | > 5000 mg/kg |
| LC50 inhalation (rat) (Vapours - mg/l/4h) | > 2.18 mg/l/4h |

| Molybdenum polysulphide long chain alkyl dithiocarbamate complex | |
|---|---|
| LD50 oral (rat) | > 2000 mg/kg OECD Test Guideline 425 |
| LD50 dermal (rat) | > 2000 mg/kg OECD Test Guideline 402 |

| oct-1-ene (111-66-0) | |
|---|---|
| LD50 oral (rat) | > 5000 mg/kg |
| LD50 dermal (rat) | > 2000 mg/kg bodyweight |
| LC50 inhalation (rat) (mg/l) | > 5.2 mg/l/4h |
| LC50 inhalation (rat) (Dust/Mist - mg/l/4h) | > 5 mg/l/4h |

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

| Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate) (2215-35-2) | |
|---|---|
| NOAEL (animal/male, F1) | 160 mg/kg OECD 422 |

| Molybdenum polysulphide long chain alkyl dithiocarbamate complex | |
|---|---|
| NOAEL (animal/male, F0/P) | 1000 mg/kg bodyweight |

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1) | |
|---|---|
| LOAEL (oral, rat, 90 days) | 125 mg/kg bodyweight/day |

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
|---|---|
| LOAEL (oral, rat, 90 days) | 125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 |

| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0) | |
|---|---|
| LOAEL (oral, rat, 90 days) | 125 mg/kg bodyweight |

| 1-Decene,homopolymer,hydrogenated (68037-01-4) | |
|---|---|
| NOAEL (oral, rat, 90 days) | 4159.4 mg/kg bodyweight/day |
| NOAEL (subacute, oral, animal/male, 28 days) | 6245 mg/kg bodyweight |

| Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate) (2215-35-2) | |
|---|---|
| NOAEL (oral, rat, 90 days) | 160 mg/kg bodyweight |

| Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) | |
|---|---|
| LOAEL (oral, rat, 90 days) | 125 mg/kg bodyweight |

| Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9) | |
|---|---|
| LOAEL (oral, rat, 90 days) | 125 mg/kg bodyweight OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |

| Molybdenum polysulphide long chain alkyl dithiocarbamate complex | |
|---|---|
| NOAEL (oral, rat, 90 days) | 1000 mg/kg bodyweight/day OECD Test Guideline 407 |
| NOAEL (dermal, rat/rabbit, 90 days) | 670 mg/kg bodyweight/day OECD Test Guideline 410 |

Aspiration hazard : Not classified

| 75254 - RACING POWER 4T 10W-50 | |
|---|---|
| Viscosity, kinematic | 140 mm²/s @ 40°C (ASTM D7042) |

| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1) | |
|---|---|
| Viscosity, kinematic | 47 mm²/s |

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
|---|---|
| Viscosity, kinematic | 21 (21 – 23) mm²/s @40°C |

| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0) | |
|---|---|
| Viscosity, kinematic | 1.99 – 847 mm²/s 40°C |

| 1-Decene,homopolymer,hydrogenated (68037-01-4) | |
|---|---|
| Viscosity, kinematic | 5.1 mm²/s @40°C |

| Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate) (2215-35-2) | |
|---|---|
| Viscosity, kinematic | 270.4 mm²/s @40°C |

| Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) | |
|---|---|
| Viscosity, kinematic | 150 (1.99 – 847) mm²/s @40°C |

| Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil (64742-70-7) | |
|---|---|
| Viscosity, kinematic | 19 mm²/s @40°C |

| Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9) | |
|---|---|
| Viscosity, kinematic | 1.99 – 847 mm²/s Temp.: '40°C |

| oct-1-ene (111-66-0) | |
|---|---|
| Viscosity, kinematic | 1014 mm²/s @40°C |

## 11.2. Information on other hazards

No additional information available

## 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

| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1) | |
|---|---|
| LC50 - Fish [1] | > 100 mg/l Pimephales promelas |
| EC50 - Crustacea [1] | > 10000 Daphnia magna |
| NOEC chronic fish | 1000 mg/l Oncorhynchus mykiss (14d) |
| NOEC chronic crustacea | 10 mg/l Daphnia magna (21d) |
| NOEC chronic algae | 100 mg/l Pseudokirchneriella subcapitata (72h) |

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
|---|---|
| LC50 - Fish [1] | > 100 mg/l Pimephales promelas |
| EC50 - Crustacea [1] | > 10000 mg/l Daphnia magna |
| EC50 72h - Algae [1] | > 100 mg/l Scenedesmus quadricauda |
| NOEC chronic fish | 1000 mg/l Oncorhynchus mykiss (14d) |
| NOEC chronic crustacea | 10 mg/l Daphnia magna (21d) |
| NOEC chronic algae | ≥ 100 mg/l Pseudokirchneriella subcapitata (72h) |

| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0) | |
|---|---|
| LC50 - Fish [1] | > 100 mg/l Pimephales promelas |
| EC50 - Crustacea [1] | > 10000 mg/l Daphnia magna |
| EC50 72h - Algae [1] | > 100 mg/l |
| NOEC chronic fish | 1000 mg/l Oncorhynchus mykiss (14d) |
| NOEC chronic crustacea | 10 mg/l Daphnia magna (21d) |
| NOEC chronic algae | ≥ 1000 mg/l Pseudokirchneriella subcapitata (72h) |

| Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate) (2215-35-2) | |
|---|---|
| LC50 - Fish [1] | 46 mg/l Sheepshead Minnow, 4 Days |
| LC50 - Fish [2] | 4.5 mg/l Rainbow Trout, 4 Days |
| EC50 - Crustacea [1] | 23 mg/l Daphnia magna OECD 202 |
| EC50 72h - Algae [1] | 21 mg/l (Green algae (Scenedesmus quadricauda), 3 Days) |
| NOEC chronic fish | 1.8 mg/l Rainbow Trout, 4 Days |
| NOEC chronic crustacea | 0.4 mg/l Daphnia magna 21d |
| NOEC chronic algae | 10 mg/l Desmodesmus subspicatus 75h |

| Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) | |
|---|---|
| LC50 - Fish [1] | > 100 mg/l Pimephales promelas |
| EC50 - Crustacea [1] | > 10000 mg/l Daphnia magna |
| NOEC chronic fish | > 1000 mg/l Oncorhynchus mykiss (14d) |

| Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) | |
|---|---|
| NOEC chronic crustacea | > 10 mg/l Daphnia magna (21d) |
| NOEC chronic algae | > 100 mg/l Pseudokirchneriella subcapitata (72h) |

| Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9) | |
|---|---|
| LC50 - Fish [1] | > 100 mg/l Pimephales promelas |
| EC50 - Crustacea [1] | > 10000 mg/l Daphnia magna |
| NOEC chronic fish | ≥ 1000 mg/l Oncorhynchus mykiss |
| NOEC chronic crustacea | 10 mg/l Daphnia magna |
| NOEC chronic algae | ≥ 100 mg/l Pseudokirchneriella subcapitata |

| Molybdenum polysulphide long chain alkyl dithiocarbamate complex | |
|---|---|
| LC50 - Fish [1] | > 94.8 mg/l Oncorhynchus mykiss (OECD 203) |
| EC50 - Crustacea [1] | 50 mg/l Daphnia magna (OECD 202) |
| EC50 72h - Algae [1] | 14 mg/l Pseudokirchneriella subcapitata (OECD 201) |
| NOEC (chronic) | 100 mg/l |
| NOEC chronic fish | 94.8 mg/l (Oncorhynchus mykiss (rainbow trout) OECD Test Guideline 203 (96h) |
| NOEC chronic crustacea | 100 mg/l Daphnia magna (OECD 211) (21d) |
| NOEC chronic algae | 4.05 mg/l |

## 12.2. Persistence and degradability

| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1) | |
|---|---|
| Biodegradation | 31 % |

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
|---|---|
| Persistence and degradability | Not readily biodegradable. |
| Biodegradation | 31 % OECD 301F (28d) |

| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0) | |
|---|---|
| Persistence and degradability | Not readily biodegradable. |
| Biodegradation | 31 % 28 d OECD 301F |

| 1-Decene,homopolymer,hydrogenated (68037-01-4) | |
|---|---|
| Persistence and degradability | Not readily biodegradable. |

| Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate) (2215-35-2) | |
|---|---|
| Persistence and degradability | Not readily biodegradable. |
| Biodegradation | 1.5 % 28 DY, OECD TG 301 B |

| Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) | |
|---|---|
| Biodegradation | 31 % OECD 301F (28d) |

| Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9) | |
|---|---|
| Persistence and degradability | Not readily biodegradable. |
| Biodegradation | 31 % OECD 301F |

| Molybdenum polysulphide long chain alkyl dithiocarbamate complex | |
|---|---|
| Biodegradation | 22.75 % 29 Days (OECD 301 B) |

| oct-1-ene (111-66-0) | |
|---|---|
| Persistence and degradability | Not biodegradable. |

### 12.3. Bioaccumulative potential

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 3.9 – 6 |

| Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate) (2215-35-2) | |
|---|---|
| Partition coefficient n-octanol/water (Log Kow) | 2.21 @20°C |

| Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) | |
|---|---|
| Bioconcentration factor (BCF REACH) | 260 |

| Molybdenum polysulphide long chain alkyl dithiocarbamate complex | |
|---|---|
| BCF - Fish [1] | 0.05 mg/l @25°C Cyprinus carpio (Karper) |
| Bioconcentration factor (BCF REACH) | 88 |
| Partition coefficient n-octanol/water (Log Pow) | 5.1 @20°C |

### 12.4. Mobility in soil

| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0) | |
|---|---|
| Ecology - soil | Adsorbs into the soil. |

| Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate) (2215-35-2) | |
|---|---|
| Ecology - soil | Adsorbs into the soil. |

| Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9) | |
|---|---|
| Ecology - soil | Adsorbs into the soil. |

| Molybdenum polysulphide long chain alkyl dithiocarbamate complex | |
|---|---|
| Ecology - soil | Adsorbs into the soil. |

### 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 : Dispose of contents/container in accordance with licensed collector's sorting instructions.

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 |
|---|---|---|---|---|
| **14.1. UN number or ID 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

**Transport by sea**
Not regulated

**Air transport**
Not regulated

**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)**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

**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)

### 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

| 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 |

| Abbreviations and acronyms: | |
|---|---|
| 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 disrupting properties |

| Full text of H- and EUH-statements: | |
|---|---|
| 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 Molybdenum polysulphide long chain alkyl dithiocarbamate complex. 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 |
| 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. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| 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.