

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 4/23/2013 Revision date: 1/31/2024 Version: 1.1

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

1.1. Product identifier

Product form : Mixture

Product name : Truckmaster 5w30

Product code : 7745

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

1.2.1. Relevant identified uses

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

Manufacturer

Millers Oils Ltd Hillside Oilworks Rastrick Common HD6 3DP Brighouse, West Yorkshire United Kingdom T +44 (0)1484 713201, F +44 (0)1484 721263

h.s@millersoils.co.uk

1.4. Emergency telephone number

Emergency number : +44 (0)1484 713201

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]

No labelling applicable

2.3. Other hazards

Contains no PBT and/or 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 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 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASED	CAS-No.: 72623-87-1 EC-No.: 276-738-4 REACH-no: 01-2119474889- 13	≥ 10 - < 30	Asp. Tox. 1, H304
LUBRICATING OILS (PETROLEUM), C15-30, HYDROTREATED NEUTRAL OIL-BASED	CAS-No.: 72623-86-0 EC-No.: 276-737-9 REACH-no: 2119474878-16- XXXX	≥ 10 - < 30	Asp. Tox. 1, H304
REACTION MASS OF ISOMERS OF: C7-9-ALKYL 3- (3,5-DI-TERT-BUTYL-4- HYDROXYPHENYL)PROPIONATE	CAS-No.: 125643-61-0 EC-No.: 406-040-9 REACH-no: 01-0000015551-	≥ 1 – < 10	Aquatic Chronic 4, H413
2,5-Furandione, polymer with 1-hexadecene, 2-methyloxirane polymer with oxirane bis(2-aminopropyl) ether and 2-methyl-1-propene, 4-(phenylamino)phenyl imide	CAS-No.: 873694-48-5	≥ 1 – < 10	Skin Sens. 1, H317
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts	CAS-No.: 68784-31-6 EC-No.: 272-238-5 REACH-no: 01-2119657973- 23	< 10	Eye Dam. 1, H318 Aquatic Chronic 2, H411
Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol	CAS-No.: 1428353-74-5 EC-No.: 806-731-9 REACH-no: 01-2120067755- 46	< 10	Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 2, H411
Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts	CAS-No.: 722503-68-6 EC-No.: 682-816-2	< 1	Skin Sens. 1B, H317
Alkyl (C18-C28) toluenesulfonic acid, calcium salts, borated	EC-No.: 953-650-0	< 1	Skin Sens. 1B, H317 Repr. 2, H361d

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. Take off contaminated clothing and wash it before reuse.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Get medical advice/attention if you feel unwell.

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

Symptoms/effects after inhalation : None under normal use.

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.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Strong water jet.

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.

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. Absorb spillage to prevent material damage.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

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".

Emergency procedures : 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 : This material and its container must be disposed of in a safe way, and as per local

legislation. Absorb spilled material with sand or earth.

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 : 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

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Keep cool. Protect from sunlight.

Packaging materials : Store always product in container of same material as original container.

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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

No additional information available

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

8.1.4. DNEL and PNEC			
LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASED (72623-87-1)			
DNEL/DMEL (Workers)			
Long-term - systemic effects, dermal	0.97 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation	2.73 mg/m³		
Long-term - local effects, inhalation	5.58 mg/m³		
DNEL/DMEL (General population)			
Long-term - systemic effects,oral	0.74 mg/kg bodyweight/day		
PNEC (Oral)			
PNEC oral (secondary poisoning)	9.33 mg/kg food		
LUBRICATING OILS (PETROLEUM), C15-30), HYDROTREATED NEUTRAL OIL-BASED (72623-86-0)		
DNEL/DMEL (Workers)			
Long-term - systemic effects, dermal	0.97 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation	2.73 mg/m³		
Long-term - local effects, inhalation	5.58 mg/m³		
DNEL/DMEL (General population)	DNEL/DMEL (General population)		
Long-term - systemic effects,oral	0.74 mg/kg bodyweight/day		
PNEC (Oral)			
PNEC oral (secondary poisoning)	9.33 mg/kg food		
REACTION MASS OF ISOMERS OF: C7-9-A	LKYL 3-(3,5-DI-TERT-BUTYL-4-HYDROXYPHENYL)PROPIONATE (125643-61-		
DNEL/DMEL (Workers)			
Acute - systemic effects, dermal	100 mg/kg bodyweight/day		
Acute - systemic effects, inhalation	1750 mg/m³		
Acute - local effects, dermal	16.67 mg/cm ²		
Long-term - systemic effects, dermal	0.67 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation	2.33 mg/m³		
DNEL/DMEL (General population)			
Acute - systemic effects, dermal	50 mg/kg bodyweight/day		

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Acute - systemic effects, inhalation 875 mg/m² Acute - systemic effects, cral 50 mg/kg bodyweight/day Acute - local effects, dermal 8.33 mg/cm² Acute - local effects, dermal 9.33 mg/kg bodyweight/day Long-term - systemic effects, cral 1.16 mg/m² Long-term - systemic effects, dermal 0.33 mg/kg bodyweight/day PNEC (Wator) PNEC aqua (freshwater) 0.33 mg/lg bodyweight/day PNEC aqua (freshwater) 0.03 mg/l PNEC aqua (marrine water) 0.03 mg/l PNEC sedument (freshwater) 0.03 mg/l PNEC sediment (freshwater) 0.09 mg/kg dwt PNEC sediment (freshwater) 0.667 mg/kg food PNEC (Soll 1 mg/kg dwt PNEC (Soll 2 mg/kg food PNEC (Soll 2 mg/kg food PNEC (Soll 3 mg/kg food PNEC (Soll 3 mg/kg food PNEC (Soll 4 mg/kg food) PNEC (Water) PNEC (Quatern - systemic effects, inhalation 11.75 mg/m² Long-term - systemic effects, inhalation 11.75 mg/m² PNEC (Quatern) PNEC (Quatern) PNEC (Soll 4 mg/kg food) PNEC (Soll 6 mg/kg food) PNEC (CYL 3-(3,5-DI-TERT-BUTYL-4-HYDROXYPHENYL)PROPIONATE (125643-61-	
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PNEC (oral) PNEC oral (secondary poisoning) 6.67 mg/kg food PNEC (STP) PNEC sewage treatment plant 1 mg/l Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6) DNEL/DMEL (Workers) Acute - systemic effects, dermal 100 mg/kg bodyweight/day Acute - systemic effects, inhalation 496.4 mg/m² Long-term - systemic effects, inhalation 2.93 mg/m² DNEL/DMEL (General population) Acute - systemic effects, inhalation 198.6 mg/m³ Acute - systemic effects, inhalation 198.6 mg/m³ Acute - systemic effects, inhalation 198.6 mg/m³ Acute - systemic effects, oral 29 mg/kg bodyweight/day Long-term - systemic effects, oral 0.21 mg/kg bodyweight/day Long-term - systemic effects, inhalation 11.75 mg/m³ Long-term - systemic effects, dermal 2.1 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 4 μg/l PNEC aqua (freshwater) 44 μg/l	PNEC (Soil)		
PNEC (STP) PNEC sewage treatment plant I mg/l Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6) DNEL/DMEL (Workers) Acute - systemic effects, dermal Acute - systemic effects, inhalation Long-term - systemic effects, inhalation DNEL/DMEL (General population) Acute - systemic effects, dermal DNEL/DMEL (General population) Acute - systemic effects, inhalation DNEL/DMEL (General population) Acute - systemic effects, dermal DNEL/DMEL (General population) Acute - systemic effects, inhalation DNEL/DMEL (General population) Acute - systemic effects, dermal DNEL/DMEL (General population) Acute - systemic effects, inhalation 198.6 mg/m² Acute - systemic effects, oral 29 mg/kg bodyweight/day Long-term - systemic effects, oral 29 mg/kg bodyweight/day Long-term - systemic effects, inhalation 11.75 mg/m² 2.1 mg/kg bodyweight/day PNEC (Water) PNEC (Water) PNEC aqua (freshwater) 4 µg/l PNEC aqua (intermittent, freshwater) 44 µg/l	PNEC soil	1 mg/kg dwt	
PNEC sewage treatment plant 1 mg/l Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc saits (68784-31-6) DNEL/DMEL (Workers) Acute - systemic effects, dermal 100 mg/kg bodyweight/day Acute - systemic effects, inhalation 496.4 mg/m² Long-term - systemic effects, inhalation 2.93 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, dermal 50 mg/kg bodyweight/day Acute - systemic effects, inhalation 198.6 mg/m² Acute - systemic effects, inhalation 198.6 mg/m³ Acute - systemic effects, inhalation 198.6 mg/m² Acute - systemic effects, oral 29 mg/kg bodyweight/day Long-term - systemic effects, inhalation 11.75 mg/m² Long-term - systemic effects, inhalation 11.75 mg/m² Long-term - systemic effects, dermal 2.1 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 4 μg/l PNEC aqua (intermittent, freshwater) 44 μg/l	PNEC (Oral)		
PNEC sewage treatment plant 1 mg/l Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc saits (68784-31-6) DNEL/DMEL (Workers) Acute - systemic effects, dermal 100 mg/kg bodyweight/day Acute - systemic effects, inhalation 496.4 mg/m³ Long-term - systemic effects, inhalation 2.93 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, dermal 50 mg/kg bodyweight/day Acute - systemic effects, inhalation 198.6 mg/m³ Acute - systemic effects, inhalation 198.6 mg/m³ Acute - systemic effects, oral 29 mg/kg bodyweight/day Long-term - systemic effects, oral 2.21 mg/kg bodyweight/day Long-term - systemic effects, inhalation 11.75 mg/m³ Long-term - systemic effects, inhalation 11.75 mg/m³ Long-term - systemic effects, dermal 2.1 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 4 μg/l PNEC aqua (marine water) 44 μg/l PNEC aqua (intermittent, freshwater) 44 μg/l	PNEC oral (secondary poisoning)	6.67 mg/kg food	
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6) DNEL/DMEL (Workers) Acute - systemic effects, dermal 100 mg/kg bodyweight/day Acute - systemic effects, inhalation 496.4 mg/m³ Long-term - systemic effects, inhalation 2.93 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, dermal 50 mg/kg bodyweight/day Acute - systemic effects, inhalation 198.6 mg/m³ Acute - systemic effects, oral 29 mg/kg bodyweight/day Long-term - systemic effects, oral 0.21 mg/kg bodyweight/day Long-term - systemic effects, inhalation 11.75 mg/m³ Long-term - systemic effects, dermal 2.1 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 4 µg/l PNEC aqua (intermittent, freshwater) 44 µg/l	PNEC (STP)		
Acute - systemic effects, dermal 100 mg/kg bodyweight/day Acute - systemic effects, inhalation 496.4 mg/m³ Long-term - systemic effects, inhalation 2.93 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, dermal 50 mg/kg bodyweight/day Acute - systemic effects, inhalation 198.6 mg/m³ Acute - systemic effects, inhalation 198.6 mg/m³ Acute - systemic effects, oral 29 mg/kg bodyweight/day Long-term - systemic effects, oral 29 mg/kg bodyweight/day Long-term - systemic effects, inhalation 11.75 mg/m³ Long-term - systemic effects, inhalation 11.75 mg/m³ Long-term - systemic effects, dermal 2.1 mg/kg bodyweight/day PNEC aqua (freshwater) 4 μg/l PNEC aqua (marine water) 4.6 μg/l PNEC aqua (intermittent, freshwater) 44 μg/l	PNEC sewage treatment plant	1 mg/l	
Acute - systemic effects, dermal Acute - systemic effects, inhalation Long-term - systemic effects, dermal Long-term - systemic effects, inhalation 2.93 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, dermal 50 mg/kg bodyweight/day Acute - systemic effects, dermal 50 mg/kg bodyweight/day Acute - systemic effects, inhalation 198.6 mg/m³ Acute - systemic effects, oral 29 mg/kg bodyweight/day Long-term - systemic effects, oral 29 mg/kg bodyweight/day Long-term - systemic effects, inhalation 11.75 mg/m³ Long-term - systemic effects, dermal 2.1 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 4 µg/l PNEC aqua (intermittent, freshwater) 44 µg/l	Phosphorodithioic acid, mixed O,O-bis(sec-B	u and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6)	
Acute - systemic effects, inhalation Long-term - systemic effects, dermal Long-term - systemic effects, inhalation 2.93 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, dermal 50 mg/kg bodyweight/day Acute - systemic effects, inhalation 198.6 mg/m³ Acute - systemic effects, oral 29 mg/kg bodyweight/day Long-term - systemic effects, oral 29 mg/kg bodyweight/day Long-term - systemic effects, inhalation 11.75 mg/m³ Long-term - systemic effects, inhalation 11.75 mg/m³ Long-term - systemic effects, dermal 2.1 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 4 µg/l PNEC aqua (intermittent, freshwater) 44 µg/l	DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal Long-term - systemic effects, inhalation 2.93 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, dermal 50 mg/kg bodyweight/day Acute - systemic effects, inhalation 198.6 mg/m³ Acute - systemic effects, oral 29 mg/kg bodyweight/day Long-term - systemic effects, oral 29 mg/kg bodyweight/day Long-term - systemic effects, inhalation 11.75 mg/m³ Long-term - systemic effects, inhalation 11.75 mg/m³ Long-term - systemic effects, dermal 2.1 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 4 µg/l PNEC aqua (intermittent, freshwater) 44 µg/l PNEC aqua (intermittent, freshwater) 44 µg/l	Acute - systemic effects, dermal	100 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation 2.93 mg/m³ Acute - systemic effects, dermal Acute - systemic effects, inhalation 198.6 mg/m³ Acute - systemic effects, oral 29 mg/kg bodyweight/day Long-term - systemic effects, oral 20 mg/kg bodyweight/day Long-term - systemic effects, inhalation 11.75 mg/m³ Long-term - systemic effects, dermal 2.1 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 4 µg/l PNEC aqua (intermittent, freshwater) 44 µg/l	Acute - systemic effects, inhalation	496.4 mg/m³	
DNEL/DMEL (General population) Acute - systemic effects, dermal 50 mg/kg bodyweight/day Acute - systemic effects, inhalation 198.6 mg/m³ Acute - systemic effects, oral 29 mg/kg bodyweight/day Long-term - systemic effects, oral 0.21 mg/kg bodyweight/day Long-term - systemic effects, inhalation 11.75 mg/m³ Long-term - systemic effects, dermal 2.1 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 4 µg/l PNEC aqua (intermittent, freshwater) 44 µg/l	Long-term - systemic effects, dermal	10.42 mg/kg bodyweight/day	
Acute - systemic effects, dermal 50 mg/kg bodyweight/day Acute - systemic effects, inhalation 198.6 mg/m³ Acute - systemic effects, oral 29 mg/kg bodyweight/day Long-term - systemic effects,oral 0.21 mg/kg bodyweight/day Long-term - systemic effects, inhalation 11.75 mg/m³ Long-term - systemic effects, dermal 2.1 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 4 µg/l PNEC aqua (intermittent, freshwater) 44 µg/l	Long-term - systemic effects, inhalation	2.93 mg/m³	
Acute - systemic effects, inhalation 198.6 mg/m³ Acute - systemic effects, oral 29 mg/kg bodyweight/day Long-term - systemic effects, oral 0.21 mg/kg bodyweight/day Long-term - systemic effects, inhalation 11.75 mg/m³ Long-term - systemic effects, dermal 2.1 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 4 µg/l PNEC aqua (intermittent, freshwater) 44 µg/l PNEC aqua (intermittent, freshwater) 44 µg/l	DNEL/DMEL (General population)		
Acute - systemic effects, oral 29 mg/kg bodyweight/day Long-term - systemic effects,oral 0.21 mg/kg bodyweight/day Long-term - systemic effects, inhalation 11.75 mg/m³ Long-term - systemic effects, dermal 2.1 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 4 µg/l PNEC aqua (marine water) 4.6 µg/l PNEC aqua (intermittent, freshwater) 44 µg/l	Acute - systemic effects, dermal	50 mg/kg bodyweight/day	
Long-term - systemic effects, oral Long-term - systemic effects, inhalation 11.75 mg/m³ Long-term - systemic effects, dermal 2.1 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 4 µg/l PNEC aqua (marine water) 4.6 µg/l PNEC aqua (intermittent, freshwater) 44 µg/l	Acute - systemic effects, inhalation	198.6 mg/m³	
Long-term - systemic effects, inhalation 11.75 mg/m³ Long-term - systemic effects, dermal 2.1 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 4 µg/l PNEC aqua (marine water) 4.6 µg/l PNEC aqua (intermittent, freshwater) 44 µg/l	Acute - systemic effects, oral	29 mg/kg bodyweight/day	
Long-term - systemic effects, dermal 2.1 mg/kg bodyweight/day PNEC (Water) PNEC aqua (freshwater) 4 µg/l PNEC aqua (marine water) 4.6 µg/l PNEC aqua (intermittent, freshwater) 44 µg/l	Long-term - systemic effects,oral	0.21 mg/kg bodyweight/day	
PNEC (Water) PNEC aqua (freshwater) 4 μg/l PNEC aqua (marine water) 4.6 μg/l PNEC aqua (intermittent, freshwater) 44 μg/l	Long-term - systemic effects, inhalation	11.75 mg/m³	
PNEC aqua (freshwater) 4 μg/l PNEC aqua (marine water) 4.6 μg/l PNEC aqua (intermittent, freshwater) 44 μg/l	Long-term - systemic effects, dermal	2.1 mg/kg bodyweight/day	
PNEC aqua (marine water) 4.6 μg/l PNEC aqua (intermittent, freshwater) 44 μg/l	PNEC (Water)		
PNEC aqua (intermittent, freshwater) 44 µg/l	PNEC aqua (freshwater)	4 µg/l	
	PNEC aqua (marine water)	4.6 µg/l	
PNEC (Sediment)	PNEC aqua (intermittent, freshwater)	44 µg/l	
	PNEC (Sediment)	1	
PNEC sediment (freshwater) 0.0701 mg/kg dwt	PNEC sediment (freshwater)	0.0701 mg/kg dwt	

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Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6)		
PNEC sediment (marine water)	0.00701 mg/kg dwt	
PNEC (Soil)		
PNEC soil	0.0548 mg/kg dwt	
PNEC (Oral)		
PNEC oral (secondary poisoning)	8.33 mg/kg food	
PNEC (STP)		
PNEC sewage treatment plant	3.8 mg/l	
Coconut oil, reaction products with boric acid	l (H3BO3), diethanolamine and glycerol (1428353-74-5)	
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	1.1 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	0.8 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	0.1 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	0.2 mg/m³	
Long-term - systemic effects, dermal	0.6 mg/kg bodyweight/day	
PNEC (Water)		
PNEC aqua (freshwater)	0.007 mg/l	
PNEC aqua (marine water)	0.0007 mg/l	
PNEC aqua (intermittent, freshwater)	0.0215 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	16.74 mg/kg dwt	
PNEC sediment (marine water)	1.67 mg/kg dwt	
PNEC (Soil)		
PNEC soil	13.59 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	10 mg/l	

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:

Wear recommended personal protective equipment.

Personal protective equipment symbol(s):







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8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

No respiratory protection needed under normal use conditions

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 : Not available Colour : Not available Odour : Not available Odour threshold Melting point : Not applicable Freezing point : Not available : Not available Boiling point : Non flammable. Flammability Lower explosion limit : Not available Upper explosion limit Not available Flash point : > 200 °C Auto-ignition temperature : Not available Decomposition temperature : Not available рΗ : Not available

Viscosity, kinematic : 70.5 mm²/s @40oC

Solubility : Insoluble. Partition coefficient n-octanol/water (Log Kow) Not available Vapour pressure Not available · Not available Vapour pressure at 50°C : Not available Density : 0.856 Relative density 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

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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

Oxidizing agent.

Skin corrosion/irritation

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

Acute toxicity (inhalation) :	Not classified
LUBRICATING OILS (PETROLEUM), C20-50, F	HYDROTREATED NEUTRAL OIL-BASED (72623-87-1)
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LUBRICATING OILS (PETROLEUM), C15-30, F	HYDROTREATED NEUTRAL OIL-BASED (72623-86-0)
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
REACTION MASS OF ISOMERS OF: C7-9-ALK 0)	YL 3-(3,5-DI-TERT-BUTYL-4-HYDROXYPHENYL)PROPIONATE (125643-61-
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
Phosphorodithioic acid, mixed O,O-bis(sec-B	u and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6)
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
Coconut oil, reaction products with boric acid	d (H3BO3), diethanolamine and glycerol (1428353-74-5)
LD50 oral rat	> 200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

: Not classified

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Phosphorodithioic acid, mixed O,O-bis(sec-B	u and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6)
рН	≈ 7 Temp.: 25 °C Concentration: (≈)0,00116 other:
Serious eye damage/irritation :	Not classified
Phosphorodithioic acid, mixed O,O-bis(sec-B	u and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6)
рН	≈ 7 Temp.: 25 °C Concentration: (≈)0,00116 other:
Germ cell mutagenicity : Carcinogenicity :	Not classified Not classified Not classified Not classified
Coconut oil, reaction products with boric acid	d (H3BO3), diethanolamine and glycerol (1428353-74-5)
NOAEL (animal/female, F0/P)	1000 mg/kg bodyweight Animal: , Animal sex: female
- 3 1	Not classified Not classified
LUBRICATING OILS (PETROLEUM), C20-50, I	HYDROTREATED NEUTRAL OIL-BASED (72623-87-1)
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	> 0.98 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)
LUBRICATING OILS (PETROLEUM), C15-30, I	HYDROTREATED NEUTRAL OIL-BASED (72623-86-0)
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	> 0.98 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)
REACTION MASS OF ISOMERS OF: C7-9-ALM 0)	(YL 3-(3,5-DI-TERT-BUTYL-4-HYDROXYPHENYL)PROPIONATE (125643-61-
NOAEL (oral, rat, 90 days)	5 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)
Phosphorodithioic acid, mixed O,O-bis(sec-B	u and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6)
NOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)
Coconut oil, reaction products with boric acid	d (H3BO3), diethanolamine and glycerol (1428353-74-5)
NOAEL (dermal, rat/rabbit, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
Aspiration hazard :	Not classified
Truckmaster 5w30	
Viscosity, kinematic	70.5 mm ² /s @40oC

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties

: 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 %

11.2.2. Other information

No additional information available

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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

: Not classified

(chronic)

(GITOTIC)		
REACTION MASS OF ISOMERS OF: C7-9-AL 0)	KYL 3-(3,5-DI-TERT-BUTYL-4-HYDROXYPHENYL)PROPIONATE (125643-61-	
LC50 - Fish [1]	> 1000 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)	
LC50 - Fish [2]	> 2 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)	
EC50 - Crustacea [1]	0.9 mg/l Test organisms (species): Daphnia magna	
EC50 - Crustacea [2]	> 1000 mg/l Test organisms (species): Daphnia magna	
EC50 72h - Algae [1]	> 3 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
NOEC (chronic)	≤ 0.01 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6)		
LC50 - Fish [1]	46 mg/l Test organisms (species): Cyprinodon variegatus	
Coconut oil, reaction products with boric ac	cid (H3BO3), diethanolamine and glycerol (1428353-74-5)	
EC50 72h - Algae [1]	2.2 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
EC50 72h - Algae [2]	7.4 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
LOEC (chronic)	0.24 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC (chronic)	0.07 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC chronic fish	0.32 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '28 d'	

12.2. Persistence and degradability

Truckmaster 5w30		
Persistence and degradability	Not established.	
LUBRICATING OILS (PETROLEUM), C20-50, H	IYDROTREATED NEUTRAL OIL-BASED (72623-87-1)	
Persistence and degradability	Not rapidly degradable	
LUBRICATING OILS (PETROLEUM), C15-30, F	IYDROTREATED NEUTRAL OIL-BASED (72623-86-0)	
Persistence and degradability	Not rapidly degradable	
REACTION MASS OF ISOMERS OF: C7-9-ALKYL 3-(3,5-DI-TERT-BUTYL-4-HYDROXYPHENYL)PROPIONATE (125643-61-0)		
Persistence and degradability	Not rapidly degradable	
2,5-Furandione, polymer with 1-hexadecene, 2-methyloxirane polymer with oxirane bis(2-aminopropyl) ether and 2-methyl-1-propene, 4-(phenylamino)phenyl imide (873694-48-5)		
Persistence and degradability	Not rapidly degradable	

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Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6)			
Persistence and degradability	Not rapidly degradable		
Coconut oil, reaction products with boric acid	Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol (1428353-74-5)		
Persistence and degradability Not rapidly degradable			
Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts (722503-68-6)			
Persistence and degradability Not rapidly degradable			
Alkyl (C18-C28) toluenesulfonic acid, calcium salts, borated			
Persistence and degradability	Not rapidly degradable		

12.3. Bioaccumulative potential

Truckmaster 5w30	
Bioaccumulative potential	No bioaccumulation data available.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

: 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 %.

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation

Waste treatment methods

Sewage disposal recommendations

Product/Packaging disposal recommendations

- : Disposal must be done according to official regulations.
- : Dispose of contents/container in accordance with licensed collector's sorting instructions.
- : Disposal must be done according to official regulations.
- Avoid release to the environment. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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 for transport				
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

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ADR	IMDG	IATA	ADN	RID	
14.3. Transport hazard o	class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.4. Packing group	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)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

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)

Safety Data Sheet

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

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	
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	

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

Abbreviations and acronyms:		
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 4	Hazardous to the aquatic environment – Chronic Hazard, Category 4	
Asp. Tox. 1	Aspiration hazard, Category 1	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
H304	May be fatal if swallowed and enters airways.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H361d	Suspected of damaging the unborn child.	
H411	Toxic to aquatic life with long lasting effects.	
H413	May cause long lasting harmful effects to aquatic life.	
Repr. 2	Reproductive toxicity, Category 2	
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.