

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 11/10/2022 Revision date: 12/01/2024 Supersedes version of: 27/03/2023 Version: 1.2

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

#### **1.1. Product identifier**

Product form

Product name Product code

:	Mixture
:	42355 - MOTOR OIL DX1 0W-30
:	42355

#### 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 Function or use category

: Industrial use, Professional use, Consumer use

: Lubricants and additives

1.2.2. Uses advised against

#### No additional information available

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

77 Lubricants B.V. NL- 1761 JA The Netherlands T +31 (0)78 6527652 technical@77lubricants.nl - www.77lubricants.nl

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER	+44 20 7188 7188	
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA	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 Dihydro-3-(2-octadecenyl)furan-2,5-dione(67066-88-0). May produce an allergic reaction.

EUH210 - Safety data sheet available on request.

#### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

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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

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), hydrotreated heavy paraffinic 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 EC-No.: 265-157-1 EC Index-No.: 649-467-00-8 REACH-no: 01-2119484627- 25	≥ 75 – < 90	Not classified
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil substance with a Community workplace exposure limit	CAS-No.: 72623-87-1 EC-No.: 276-738-4 EC Index-No.: 649-483-00-5 REACH-no: 01-2119474889- 13	≥ 10 – < 15	Asp. Tox. 1, H304
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based 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 EC-No.: 276-737-9 EC Index-No.: 649-482-00-X REACH-no: 01-2119474878- 16	≥1-<3	Asp. Tox. 1, H304
Dihydro-3-(2-octadecenyl)furan-2,5-dione	CAS-No.: 67066-88-0 EC-No.: 266-561-0 REACH-no: 01-2120120387- 61	< 1	Skin Irrit. 2, H315 Skin Sens. 1, H317

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.

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SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media Unsuitable extinguishing media	<ul><li>Water spray. Dry powder. Foam. Carbon dioxide.</li><li>Do not use a water jet since it may cause the fire to spread.</li></ul>
5.2. Special hazards arising from the subs	tance or mixture
Hazardous decomposition products in case of fire	: Toxic fumes may be released.
5.3. Advice for firefighters	
Precautionary measures fire Firefighting instructions Protection during firefighting	<ul> <li>Exercise caution when fighting any chemical fire.</li> <li>Use water spray or fog for cooling exposed containers.</li> <li>Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.</li> </ul>

SECTION 6: Accidental release measures		
6.1. Personal precautions, protectiv	e equipment and emergency procedures	
General measures	: Avoid spilling the product, as this might cause falls.	
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".	
6.2. Environmental precautions		

Avoid release to the environment.	
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6.3. Methods and material for containm	6.3. Methods and material for containment and cleaning up		
For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.		
Methods for cleaning up Other information	<ul> <li>Take up liquid spill into absorbent material.</li> <li>Dispose of materials or solid residues at an authorized site.</li> </ul>		

#### 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. Avoid contact with skin and eyes.
Handling temperature	: ≤ 40 °C
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, inclu	ding any incompatibilities
Technical measures	: Provide local exhaust or general room ventilation.
Storage conditions	: Store in a well-ventilated place. Keep cool.
Storage temperature	: ≤ 40 °C
Storage area	: Store in a well-ventilated place. Store away from heat.
Special rules on packaging	: Keep only in original container. Store in a closed 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

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)			
EU - Indicative Occupational Exposure Limit (IOEL)			
IOEL TWA	5 mg/m³		
United Kingdom - Occupational Exposure Limits			
NEL TWA (OEL TWA) [1]     5 mg/m³			
Lubricating oils (petroleum), C20-50, hydrotre	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)		
EU - Indicative Occupational Exposure Limit (IOEL)			
IOEL TWA	DEL TWA 5 mg/m <sup>3</sup>		
DEL STEL 10 mg/m <sup>3</sup>			
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)			
EU - Indicative Occupational Exposure Limit (IOEL)			
IOEL TWA	OEL TWA 5 mg/m <sup>3</sup>		

#### 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:

Gloves. Safety glasses. Protective clothing.

Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

Eye protection: Safety glasses

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Eye protection			
Туре	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					
Туре	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		
mical properties		
<ul> <li>Liquid</li> <li>Not available</li> <li>Not available</li> <li>Not available</li> <li>Not available</li> <li>Not applicable</li> <li>-42 °C (ASTM D7346)</li> <li>Not available</li> <li>Not available</li> <li>Not available</li> <li>Not available</li> <li>&gt; 210 °C (ASTM D92)</li> <li>Not available</li> <li>Not available</li> <li>Not available</li> <li>S6 mm<sup>2</sup>/s @ 40°C (ASTM D7042)</li> <li>insoluble in water.</li> <li>Not available</li> <li>&lt; 10 Pa @ 20°C</li> <li>Not available</li> <li>&amp; 840 kg/m<sup>a</sup> @ 15°C (ASTM D4052)</li> <li>Not available</li> <li>Not available</li> <li>Not available</li> </ul>		

#### 9.2. Other information

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

No additional information available

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#### 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

Strong oxidizing agents.

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 define	d in Regulation (EC) No 1272/2008	
Acute toxicity (oral):Acute toxicity (dermal):Acute toxicity (inhalation):	Not classified Not classified Not classified	
Distillates (petroleum), hydrotreated heavy pa	araffinic (64742-54-7)	
LD50 oral (rat)	> 5000 mg/kg bodyweight 401 Acute Oral Toxicity Test	
LD50 dermal (rabbit)	> 2000 mg/kg 402 Acute Dermal Toxicity Test	
LC50 inhalation (rat) (mg/l)	> 5000 mg/l/4h	
LC50 inhalation (rat) (Dust/Mist - mg/l/4h)	> 5.53 mg/l/4h 403 Acute Inhalation Toxicity Test	
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	
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	
Dihydro-3-(2-octadecenyl)furan-2,5-dione (67066-88-0)		
LD50 oral (rat)	> 2000 mg/kg OECD 425	
LD50 dermal (rat)	> 2000 mg/kg OECD 402	
Skin corrosion/irritation :	Not classified	

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Respiratory or skin sensitisation       :       Not classified         Derm cell mutagenicity       :       Not classified         Carcinogenicity       :       Not classified         Carcinogenicity       :       Not classified         StrOT-single exposure       :       Not classified         StrOT-repeated exposure       :       Not classified         Distillates (petroleum), hydrotreated heavy particle (64742-54-7)       Item tem tem tem tem tem tem tem tem tem		
Germ cell mutagenicity       :       Not classified         Carcinogenicity       :       Not classified         Reproductive toxicity       :       Not classified         STOT-single exposure       :       Not classified         STOT-single exposure       :       Not classified         Distillates (petroleum), hydrotreated heavy =       Finic (64742-54-7)         LOAEL (oral, rat, 90 days)       125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408         Lubricating oils (petroleum), C20-50, hydrot=       eutral oil (72623-87-1)         LOAEL (oral, rat, 90 days)       125 mg/kg bodyweight/day         Lubricating oils (petroleum), C15-30, hydrot=       eutral oil-based (72623-86-0)         LOAEL (oral, rat, 90 days)       125 mg/kg bodyweight         Asspiration hazard       :       >: classified         42555 - MOTOR OIL DX1 0W-30       125 mg/kg bodyweight         Viscosity, kinematic       66 mm²/s @ 40°C (ASTM D7042)         Distillates (petroleum), hydrotreated heavy =       : finic (64742-54-7)         Viscosity, kinematic       98 (98 – 108) mn²/s @ 40°C         Lubricating oils (petroleum), C20-50, hydro:       : finic (64742-54-7)         Viscosity, kinematic       98 (98 – 108) mn²/s @ 40°C         Lubricating oils (petroleum), C20-50, hydro:       : fini */s </td <td>Serious eye damage/irritation</td> <td>: Not classified</td>	Serious eye damage/irritation	: Not classified
Carcinogenicity       :       Not classified         Reproductive toxicity       :       Not classified         STOT-single exposure       :       Not classified         STOT-repeated exposure       :       Not classified         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), C20-50, hydrotreated neutral oil (72623-87-1)       LoAEL (oral, rat, 90 days)       125 mg/kg bodyweight/day         LoAEL (oral, rat, 90 days)       125 mg/kg bodyweight/day       Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)         LOAEL (oral, rat, 90 days)       125 mg/kg bodyweight       Not classified         A2355 - MOTOR OIL DX1 0W-30       125 mg/kg bodyweight       Not classified         Viscosity, kinematic       56 mm²/s @40°C (ASTM D7042)       Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)         Viscosity, kinematic       98 (98 – 108) mm²/s @40°C       Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)         Viscosity, kinematic       47 mm²/s       Lubricating oils (petroleum), C15-30, hydrotreated neutral oil (72623-86-0)         Viscosity, kinematic       1.99 – 847 mm²/s 40°C       1.99 – 847 mm²/s 40°C	Respiratory or skin sensitisation	: Not classified
Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         STOT-repeated exposure       : Not classified         Distillates (petroleum), hydrotreated heavy ==tfinic (64742-54-7)         LOAEL (oral, rat, 90 days)       125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408         Lubricating oils (petroleum), C20-50, hydrot= tenutral oil (72623-87-1)         LOAEL (oral, rat, 90 days)       125 mg/kg bodyweight/day         Lubricating oils (petroleum), C15-30, hydrot= tenutral oil-based (72623-86-0)         LOAEL (oral, rat, 90 days)       125 mg/kg bodyweight         Store       Not classified         42355 - MOTOR OIL DX1 0W-30       125 mg/kg bodyweight         Viscosity, kinematic       56 mm²/s @ 40°C (ASTM D7042)         Distillates (petroleum), hydrotreated heavy perfinic (64742-54-7)       Viscosity, kinematic         Viscosity, kinematic       98 (98 – 108) mm²/s @40°C	Germ cell mutagenicity	: Not classified
STOT-single exposure       : Not classified         Distillates (petroleum), hydrotreated heavy == finic (64742-54-7)         LOAEL (oral, rat, 90 days)       125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408         Lubricating oils (petroleum), C20-50, hydrotre=ted neutral oil (72623-87-1)         LOAEL (oral, rat, 90 days)       125 mg/kg bodyweight/day         Lubricating oils (petroleum), C15-30, hydrotre=ted neutral oil-based (72623-86-0)         LOAEL (oral, rat, 90 days)       125 mg/kg bodyweight         Aspiration hazard       Not classified         42355 - MOTOR OIL DX1 0W-30       125 mg/kg bodyweight         Viscosity, kinematic       56 mm²/s @ 40°C (ASTM D7042)         Distillates (petroleum), hydrotreated heavy == finic (64742-54-7)       108 ma²/s @40°C         Viscosity, kinematic       98 (98 – 108) mm²/s @40°C         Lubricating oils (petroleum), C20-50, hydrotre=ted neutral oil (72623-87-1)       109 ma²/s @40°C         Viscosity, kinematic       47 mm²/s         Lubricating oils (petroleum), C15-30, hydrotre=ted neutral oil-based (72623-86-0)         Viscosity, kinem	Carcinogenicity	: Not classified
STOT-repeated exposure       : Not classified         Distillates (petroleum), hydrotreated heavy ==/finic (64742-54-7)         LOAEL (oral, rat, 90 days)       125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408         Lubricating oils (petroleum), C20-50, hydrot==ted neutral oil (72623-87-1)         LOAEL (oral, rat, 90 days)       125 mg/kg bodyweight/day         Lubricating oils (petroleum), C15-30, hydrot=ted neutral oil-based (72623-86-0)         LOAEL (oral, rat, 90 days)       125 mg/kg bodyweight         Asspiration hazard       : Not classified         42355 - MOTOR OIL DX1 0W-30       125 mg/kg bodyweight         Viscosity, kinematic       56 mm²/s @ 40°C (ASTM D7042)         Distillates (petroleum), hydrotreated heavy ==/finic (64742-54-7)         Viscosity, kinematic       98 (98 – 108) mm²/s @40°C         Lubricating oils (petroleum), C20-50, hydrot=ted neutral oil (72623-87-1)         Viscosity, kinematic       47 mm²/s         Lubricating oils (petroleum), C15-30, hydrot=ted neutral oil-based (72623-86-0)         Viscosity, kinematic       1.90 – 847 mm²/s 40°C	Reproductive toxicity	: Not classified
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), C20-50, hydrotreated neutral oil (72623-87-1)         LOAEL (oral, rat, 90 days)       125 mg/kg bodyweight/day         Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)         LOAEL (oral, rat, 90 days)       125 mg/kg bodyweight         Signation hazard       Not classified         42355 - MOTOR OIL DX1 0W-30       Viscosity, kinematic         Viscosity, kinematic       98 (98 – 108) mm²/s @40°C         Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)         Viscosity, kinematic       47 mm²/s         Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)         Viscosity, kinematic       1.99 – 847 mm²/s 40°C	STOT-single exposure	: Not classified
LOAEL (oral, rat, 90 days)125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)LOAEL (oral, rat, 90 days)125 mg/kg bodyweight/dayLubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)LOAEL (oral, rat, 90 days)125 mg/kg bodyweightLOAEL (oral, rat, 90 days)125 mg/kg bodyweightSepiration hazard: Not classified42355 - MOTOR OIL DX1 0W-30Sepiration (64742-54-7)Viscosity, kinematic98 (98 – 108) mm²/s @40°CLubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)Viscosity, kinematic47 mm²/sLubricating oils (petroleum), C15-30, hydrotreated neutral oil (72623-87-1)Viscosity, kinematic1.99 – 847 mm²/s 40°C	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         Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)         LOAEL (oral, rat, 90 days)       125 mg/kg bodyweight         Aspiration hazard       : Not classified         42355 - MOTOR OIL DX1 0W-30       Viscosity, kinematic         Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)         Viscosity, kinematic       98 (98 – 108) mm²/s @40°C         Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)         Viscosity, kinematic       47 mm²/s         Lubricating oils (petroleum), C15-30, hydrotreated neutral oil -based (72623-86-0)         Viscosity, kinematic       1.99 – 847 mm²/s 40°C	Distillates (petroleum), hydrotreated h	neavy paraffinic (64742-54-7)
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LOAEL (oral, rat, 90 days)       125 mg/kg bodyweight         Aspiration hazard       Not classified         42355 - MOTOR OIL DX1 0W-30       56 mm²/s @ 40°C (ASTM D7042)         Viscosity, kinematic       56 mm²/s @ 40°C (ASTM D7042)         Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)       98 (98 – 108) mm²/s @40°C         Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)       Viscosity, kinematic         Viscosity, kinematic       47 mm²/s         Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)       Viscosity, kinematic         1.99 – 847 mm²/s 40°C       1.99 – 847 mm²/s 40°C	LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight/day
Aspiration hazard : Not classified 42355 - MOTOR OIL DX1 0W-30 Viscosity, kinematic 56 mm²/s @ 40°C (ASTM D7042) Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) Viscosity, kinematic 98 (98 – 108) mm²/s @40°C Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1) Viscosity, kinematic 47 mm²/s Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0) Viscosity, kinematic 1.99 – 847 mm²/s 40°C	Lubricating oils (petroleum), C15-30,	hydrotreated neutral oil-based (72623-86-0)
42355 - MOTOR OIL DX1 0W-30         Viscosity, kinematic       56 mm²/s @ 40°C (ASTM D7042)         Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)         Viscosity, kinematic       98 (98 – 108) mm²/s @40°C         Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)         Viscosity, kinematic       47 mm²/s         Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)         Viscosity, kinematic       1.99 – 847 mm²/s 40°C	LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight
Viscosity, kinematic56 mm²/s @ 40°C (ASTM D7042)Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)Viscosity, kinematic98 (98 – 108) mm²/s @40°CLubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)Viscosity, kinematic47 mm²/sLubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)Viscosity, kinematic1.99 – 847 mm²/s 40°C	Aspiration hazard	: Not classified
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)         Viscosity, kinematic       98 (98 – 108) mm²/s @40°C         Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)         Viscosity, kinematic       47 mm²/s         Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)         Viscosity, kinematic       1.99 – 847 mm²/s 40°C	42355 - MOTOR OIL DX1 0W-30	
Viscosity, kinematic     98 (98 – 108) mm²/s @40°C       Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)       Viscosity, kinematic     47 mm²/s       Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)       Viscosity, kinematic     1.99 – 847 mm²/s 40°C	Viscosity, kinematic	56 mm²/s @ 40°C (ASTM D7042)
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)         Viscosity, kinematic       47 mm²/s         Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)         Viscosity, kinematic       1.99 – 847 mm²/s 40°C	Distillates (petroleum), hydrotreated h	neavy paraffinic (64742-54-7)
Viscosity, kinematic     47 mm²/s       Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)       Viscosity, kinematic     1.99 – 847 mm²/s 40°C	Viscosity, kinematic	98 (98 – 108) 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	Lubricating oils (petroleum), C20-50,	hydrotreated neutral oil (72623-87-1)
Viscosity, kinematic 1.99 – 847 mm²/s 40°C	Viscosity, kinematic	47 mm²/s
	Lubricating oils (petroleum), C15-30,	hydrotreated neutral oil-based (72623-86-0)
11.2. Information on other hazards	Viscosity, kinematic	1.99 – 847 mm²/s 40°C
	11.2. Information on other hazards	

No additional information available

## **SECTION 12: Ecological information**

#### 12.1. Toxicity

	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 rapidly degradable	Not classified
Distillates (petroleum), hydrotreated heavy pa	raffinic (64742-54-7)
Distillates (perioleani), hydroreated heavy pa	
LC50 - Fish [1]	> 100 mg/l Pimephales promelas
EC50 - Crustacea [1]	> 10000 mg/l Daphnia magna
EC50 72h - Algae [1]	> 100 mg/l Pseudokirchneriella subcapitat
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)

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Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)		
.C50 - Fish [1]	> 100 mg/l Pimephales promelas	
EC50 - Crustacea [1]	> 10000 Daphnia magna	
IOEC chronic fish	1000 mg/l Oncorhynchus mykiss (14d)	
IOEC chronic crustacea	10 mg/l Daphnia magna (21d)	
IOEC chronic algae	100 mg/l Pseudokirchneriella subcapitata (72h)	
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)		
.C50 - Fish [1]	> 100 mg/l Pimephales promelas	
EC50 - Crustacea [1]	> 10000 mg/l Daphnia magna	
IOEC chronic fish	1000 mg/l Oncorhynchus mykiss (14d)	
IOEC chronic crustacea	10 mg/l Daphnia magna (21d)	
IOEC chronic algae	≥ 100 mg/l Pseudokirchneriella subcapitata (72h)	
Dihydro-3-(2-octadecenyl)furan-2,5-dione (67066-88-0)		
.C50 - Fish [1]	> 10 mg/l Leuciscus idus (Golden orfe) OECD 203	
EC50 - Crustacea [1]	36.3 mg/l Daphnia magna OECD 202	
EC50 72h - Algae [1]	46.9 mg/l Desmodesmus subspicatus (Green algae) OECD 201	

## 12.2. Persistence and degradability

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)			
Persistence and degradability	Not readily biodegradable.		
Biodegradation	31 % OECD TG 301 F (28d)		
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)			
Niodegradation 31 %			
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)			
Persistence and degradability	Not readily biodegradable.		
Biodegradation	31 % 28 d OECD 301F		
Dihydro-3-(2-octadecenyl)furan-2,5-dione (67066-88-0)			
Biodegradation	60 % OECD 301D (28 days)		
12.2. Disassumulative notantial			

#### 12.3. Bioaccumulative potential

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)			
Partition coefficient n-octanol/water (Log Pow) 3.9 – 6			
Dihydro-3-(2-octadecenyl)furan-2,5-dione (67066-88-0)			
Bioconcentration factor (BCF REACH) 234.6			
Partition coefficient n-octanol/water (Log Pow)	9.36		
12.4. Mobility in soil			
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)			
Ecology - soil	Adsorbs into the soil.		

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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 European List of Waste (LoW, EC 2000/532)	<ul> <li>Dispose of contents/container in accordance with licensed collector's sorting instructions.</li> <li>13 02 06* - synthetic engine, gear and lubricating oils</li> </ul>
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	ΙΑΤΑ	ADN	RID
14.1. UN number or ID n	14.1. UN number or ID number			
Not regulated for transport	Not regulated for transport			
14.2. UN proper shipping name				
Not regulated	egulated 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	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

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#### 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**

Indication of changes			
Section	Changed item	Change	Comments
	Revision date	Modified	
	Supersedes	Modified	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Removed	
2.2	EUH-statements	Modified	
6.1	General measures	Added	
9.1	Colour	Added	
10.5	Incompatible materials	Added	
13.1	European List of Waste (LoW, EC 2000/532)	Added	

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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	
ΙΑΤΑ	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	
РВТ	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
VOC	Volatile Organic Compounds	
CAS-No.	Chemical Abstract Service number	
N.O.S.	Not Otherwise Specified	
vPvB	Very Persistent and Very Bioaccumulative	
ED	Endocrine disrupting properties	

Full text of H- and EUH-statements:	
Asp. Tox. 1 Aspiration hazard, Category 1	
EUH208	Contains Dihydro-3-(2-octadecenyl)furan-2,5-dione(67066-88-0). May produce an allergic reaction.

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Full text of H- and EUH-statements:	
EUH210	Safety data sheet available on request.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1

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.