

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 22-5-2018 Revision date: 28-9-2022 Supersedes version of: 15-10-2020 Version: 2.1

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

1.1. Product identifier

Product form : Mixture

Trade name : AREOL ATF D VI
Product code : AR108, AR162, AR163
Product group : Trade product

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 : Industrial use, Professional use, Consumer use

Use of the substance/mixture : Transmission oil

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

ATH&S GmbH

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1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Belgium	Belgian Anti-Poison Centre	Bruynstraat 1 1120 Brussels	+32 70 245 245	
United Kingdom	National Poisons Information Service (Cardiff Centre) University Hospital Llandough	Penlan Road CF64 2XX Llandough	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412

Full text of H- and EUH-statements: see section 16

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. Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Signal word (CLP) : -

Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.

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Precautionary statements (CLP)

: P273 - Avoid release to the environment.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

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

Component		
Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

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

Comments

: Highly refined mineral oils and additives.

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), hydrotreated light paraffinic (Note L)	CAS-No.: 64742-55-8 EC-No.: 265-158-7 EC Index-No.: 649-468-00-3 REACH-no: 01-2119487077- 29	25 – 50	Asp. Tox. 1, H304
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (Note L)	CAS-No.: 72623-86-0 EC-No.: 276-737-9 EC Index-No.: 649-482-00-X REACH-no: 01-2119474878- 16	1 – 2,5	Asp. Tox. 1, H304
Short-, medium- and long-chain alkyl methacrylates and short-chain alkyl methacrylamide copolymer	REACH-no: ACC-QT664993- 91 (EU Confidential); ACN- AFT-25032021-PXL-01 (GB Confidential)	1 – 2,5	Eye Irrit. 2, H319
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivatives, C10-rich	CAS-No.: 398141-87-2 EC-No.: 800-172-4 REACH-no: 01-2119969520- 35	0,3 – 2,5	Aquatic Chronic 2, H411
Long-chain and very long-chain alkenyl succinimide	REACH-no: ACC-NN808816- 16 (EU confidential)	0,3 – 2,5	Aquatic Chronic 4, H413
Dimantine	CAS-No.: 124-28-7 EC-No.: 204-694-8 REACH-no: 01-2119486676- 20	< 0,3	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol	CAS-No.: 1218787-32-6 EC-No.: 620-540-6 REACH-no: 01-2119510877- 33	< 0,3	Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine	EC-No.: 939-485-7 REACH-no: 01-2119974116- 35	< 0,1	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	CAS-No.: 95-38-5 EC-No.: 202-414-9 REACH-no: 01-2119777867- 13	< 0,1	Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410

Specific concentration limits:			
Name	Product identifier	Specific concentration limits	
Short-, medium- and long-chain alkyl methacrylates and short-chain alkyl methacrylamide copolymer	REACH-no: ACC-QT664993- 91 (EU Confidential); ACN- AFT-25032021-PXL-01 (GB Confidential)	(75 ≤C < 100) Eye Irrit. 2, H319	

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

Note L: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3. 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.

Unsuitable extinguishing media : Do not use a heavy water stream.

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5.2. Special hazards arising from the substance or mixture

Fire hazard : Combustible liquid.

Hazardous decomposition products in case of fire : Toxic fumes may be released. Incomplete combustion releases dangerous carbon

monoxide, carbon dioxide and other toxic gases.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or

smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container closed when not in use. Keep in a cool, well-ventilated place away from

heat.

Storage temperature : 0-40 °C

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

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AREOL ATF MULTI TYPE AA		
EU - Indicative Occupational Exposure Limit (IOEL)		
Exposure limits/standards for materials that can be formed when handling this product. When mists/aerosols can occur the following is recommended	5 mg/m³ - ACGIH TLV (inhalable fraction).	

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			
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

Other skin protection

Materials for protective clothing:

Wear suitable protective clothing

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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 : red.

Odour : characteristic. : Not available Odour threshold : Not applicable Melting point

: -48 °C - ASTM D5950 (pour point) Freezing point

: Not available **Boiling point** Flammability : Not applicable

Explosive properties : Presents no particular fire or explosion hazard.

Explosive limits : Not available Lower explosion limit : Not available Upper explosion limit : Not available

Flash point : 212 °C - ASTM D92 (COC)

Auto-ignition temperature : Not available Decomposition temperature Not available : Not available

29,6 mm²/s (40 °C) - ASTM D7279 Viscosity, kinematic Solubility : Water: Insoluble / Slightly miscible

Partition coefficient n-octanol/water (Log Kow) : Not available : Not available Vapour pressure Vapour pressure at 50 °C : Not available

: 0,845 kg/l (15 °C) - ASTM D4052 Density

: Not available 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

VOC content : 0%

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Reacts violently with (strong) oxidizers.

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10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No decomposition if stored normally.

SECTION 11: Toxicological information

11.1. Information on 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

3-((C9-11-iso,C10-rich)alkyloxy)propan-1-an	nine	
LD50 oral rat	300 – 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity), Guideline: other:	
Dimantine (124-28-7)		
LD50 oral rat	1230 mg/kg	
LD50 dermal rabbit	8000 mg/kg	
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethar	nol (95-38-5)	
LD50 oral rat	1265 mg/kg	
Distillates (petroleum), hydrotreated light p	araffinic (64742-55-8)	
LD50 oral rat	> 5000 mg/kg	
LD50 dermal rabbit	> 2000 mg/kg	
LC50 Inhalation - Rat (Dust/Mist)	5,53 mg/l/4h	
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivatives, C10-rich (398141-87-2)		
LD50 oral rat	10 ml/kg	
LD50 dermal rabbit	> 4000 mg/kg bodyweight	
Lubricating oils (petroleum), C15-30, hydro	treated neutral oil-based (72623-86-0)	
LD50 oral rat	> 5000 mg/kg (OECD 401 method)	
LD50 dermal rabbit	> 2000 mg/kg (OECD 402 method)	
LC50 Inhalation - Rat	> 5,53 mg/l (OECD 403 method)	
Short-, medium- and long-chain alkyl methacrylates and short-chain alkyl methacrylamide copolymer		
LD50 oral rat	> 2000 mg/kg	
Long-chain and very long-chain alkenyl succinimide		
LD50 oral rat	> 1000 mg/kg	
	Not closes Good	

Skin corrosion/irritation : Not classified

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Dimantine (124-28-7)				
рH	10,1 Temp.: 20 °C Concentration: 5 other:			
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol (95-38-5)				
pН	11,1 Remarks on result: 'other:'			
Serious eye damage/irritation :	Not classified			
Dimantine (124-28-7)				
рН	10,1 Temp.: 20 °C Concentration: 5 other:			
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethan	ol (95-38-5)			
рН	11,1 Remarks on result: 'other:'			
Respiratory or skin sensitisation :	Not classified			
Germ cell mutagenicity :	Not classified			
<u> </u>	Not classified			
Dimantine (124-28-7)				
NOAEL (chronic, oral, animal/male, 2 years)	42,3 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:			
NOAEL (chronic, oral, animal/female, 2 years)	52,6 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:			
Reproductive toxicity :	Not classified			
STOT-single exposure :	Not classified			
STOT-repeated exposure :	Not classified			
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol (95-38-5)				
NOAEL (oral, rat, 90 days)	20 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:			
STOT-repeated exposure	May cause damage to organs (digestive tract, thymus) through prolonged or repeated exposure (oral).			
Distillates (petroleum), hydrotreated light p	araffinic (64742-55-8)			
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)			
Aspiration hazard :	Not classified			
AREOL ATF MULTI TYPE AA				
Viscosity, kinematic	29,6 mm²/s (40 °C) - ASTM D7279			
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethan	ol (95-38-5)			
Viscosity, kinematic	35,85 mm²/s Temp.: '40°C' Parameter: 'm²/sm2/s'			
Distillates (petroleum), hydrotreated light p	araffinic (64742-55-8)			
Viscosity, kinematic	< 20,5 mm²/s			
Aliphatic, alicyclic or aromatic hydrocarbon	Yes			
Lubricating oils (petroleum), C15-30, hydro	treated neutral oil-based (72623-86-0)			
Viscosity, kinematic	< 20,5 mm²/s (40 °C) - ASTM D7279			
Aliphatic, alicyclic or aromatic hydrocarbon	Yes			

11.2. Information on other hazards

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

: Not classified

effects in the environment. Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term

acute)

Hazardous to the aquatic environment, long-term

(chronic)

Not rapidly degradable

: Harmful to aquatic life with long lasting effects.

3-((C9-11-iso,C10-rich)alkyloxy)propan-1-an	3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine			
LC50 - Fish [1]	2,22 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)			
LC50 - Fish [2]	2,14 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)			
EC50 - Crustacea [1]	1,05 mg/l			
EC50 - Other aquatic organisms [1]	23,6 mg/l			
ErC50 algae	0,0544 mg/l			
NOEC chronic crustacea	0,738 mg/l			
NOEC chronic algae	0,0421 mg/l			
Dimantine (124-28-7)				
LC50 - Fish [1]	0,26 mg/l (96 h, Danio rerio)			
EC50 - Crustacea [1]	0,0558 mg/l (48 h, Daphnia magna)			
EC50 72h - Algae [1]	0,0165 mg/l (72 h, Algae)			
LOEC (chronic)	0,108 mg/l Test organisms (species): Daphnia magna Duration: '21 d'			
NOEC (chronic)	0,036 mg/l (21 d, Daphnia, magna)			
NOEC chronic crustacea	0,00256 mg/l (72 h, Daphnia magna)			
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol (95-38-5)				
LC50 - Fish [1]	0,33 mg/l			
EC50 - Crustacea [1]	0,163 mg/l Test organisms (species): Daphnia magna			
EC50 72h - Algae [2]	0,0169 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)			
ErC50 algae	0,03 mg/l			
NOEC chronic algae	0,014 mg/l			
Distillates (petroleum), hydrotreated light p	paraffinic (64742-55-8)			
LC50 - Fish [1]	> 100 mg/l 96h			
EC50 - Crustacea [1]	> 10000 mg/l			
EC50 72h - Algae [1]	≥ 100 mg/l			
NOEC chronic crustacea	10 mg/l 21d			
	10 mg/l 21d 11-isoalkyloxy) derivatives, C10-rich (398141-87-2)			
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-	11-isoalkyloxy) derivatives, C10-rich (398141-87-2)			
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-LC50 - Fish [1]	11-isoalkyloxy) derivatives, C10-rich (398141-87-2) 2,4 mg/l			

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Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)			
LC50 - Fish [1]	> 100 mg/l		
EC50 - Crustacea [1]	> 10000 mg/l		
NOEC (acute)	≥ 100 mg/l (Pseudokirchnerella subcapitata, 72h) (OECD 211 method)		
NOEC chronic fish	> 1000 mg/l		
NOEC chronic crustacea	> 10 mg/l (Daphnia magna, 21d) (OECD 211 method)		
NOEC chronic algae	≥ 100 mg/l		
2,2'-(C16-18 (evennumbered, C18 unsatural	ted) alkyl imino) diethanol (1218787-32-6)		
LC50 - Fish [1]	0,1 mg/l		
EC50 - Crustacea [1]	0,043 mg/l		
EC50 72h - Algae [1]	0,0538 mg/l		
ErC50 algae	0,0538 mg/l		
NOEC chronic crustacea	0,0107 mg/l		
NOEC chronic algae	0,0156 mg/l		
Short-, medium- and long-chain alkyl methacrylates and short-chain alkyl methacrylamide copolymer			
LC50 - Fish [1]	> 100 mg/l		
EC50 - Crustacea [1]	> 100 mg/l		
ErC50 algae	> 100 mg/l		
Long-chain and very long-chain alkenyl succinimide			
LC50 - Fish [1]	> 100 mg/l		
EC50 - Crustacea [1]	> 100 mg/l		
ErC50 algae	> 100 mg/l		
NOEC chronic algae	100 mg/l		

12.2. Persistence and degradability

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)				
Persistence and degradability	Persistence and degradability Not established.			
Biodegradation	31 % (OECD 301F method)			
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-1	1-isoalkyloxy) derivatives, C10-rich (398141-87-2)			
Biodegradation 9,6 % MITI 1 (28d)				
Lubricating oils (petroleum), C15-30, hydro	treated neutral oil-based (72623-86-0)			
Persistence and degradability	Persistence and degradability Not readily biodegradable.			
Biodegradation	31 % (28d) (OECD 301F method)			
2,2'-(C16-18 (evennumbered, C18 unsatural	2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6)			
Biodegradation 63 % (28d)				
Short-, medium- and long-chain alkyl methacrylates and short-chain alkyl methacrylamide copolymer				
Biodegradation	3,6 %			

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Long-chain and very long-chain alkenyl succinimide	
Biodegradation	26 – 35 %

12.3. Bioaccumulative potential

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)				
Partition coefficient n-octanol/water (Log Pow)	> 6			
Bioaccumulative potential	Not established.			
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-1	1-isoalkyloxy) derivatives, C10-rich (398141-87-2)			
Bioconcentration factor (BCF REACH)	Bioconcentration factor (BCF REACH) 1,4 (28 d)			
Partition coefficient n-octanol/water (Log Kow)	4,1 octanol/water coefficient (0,1 d)			
Lubricating oils (petroleum), C15-30, hydro	treated neutral oil-based (72623-86-0)			
Partition coefficient n-octanol/water (Log Kow)	Partition coefficient n-octanol/water (Log Kow) > 6			
Bioaccumulative potential Bioaccumulative potential.				
Long-chain and very long-chain alkenyl succinimide				
Partition coefficient n-octanol/water (Log Pow) 17 – 492				

12.4. Mobility in soil

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)	
Ecology - soil	Insoluble in water.

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 Product/Packaging disposal recommendations : Dispose of contents/container in accordance with licensed collector's sorting instructions.

lations : Dispose in a safe manner in accordance with local/national regulations.

European List of Waste (LoW) code : 13 02 06* - synthetic engine, gear and lubricating oils

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number 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

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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				
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)

EU restriction list (REACH Annex XVII)	
Reference code	Applicable on
3.	Distillates (petroleum), hydrotreated light paraffinic
3(b)	Distillates (petroleum), hydrotreated light paraffinic

REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

PIC Regulation (Prior Informed Consent)

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

POP Regulation (Persistent Organic Pollutants)

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

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Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

VOC Directive (2004/42)

VOC content : 0 %

Biocide Regulation (528/2012)

Child-resistant fastening : Not applicable Tactile warning : Not applicable

Explosives Precursors Regulation (2019/1148)

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

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

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	
1.2	Use of the substance/mixture	Added	
1.2	Function or use category	Added	
1.2	Intended for general public	Added	
2.1	Intended for general public	Added	
2.2	Precautionary statements (CLP)	Modified	
4.1	First-aid measures after ingestion	Modified	
5.2	Hazardous decomposition products in case of fire	Modified	
10.3	Possibility of hazardous reactions	Modified	
16	Abbreviations and acronyms	Modified	

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)

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Abbreviations and acronyms:		
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
IATA	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
VOC	Volatile Organic Compounds	
CAS-No.	Chemical Abstract Service number	
N.O.S.	Not Otherwise Specified	
vPvB	Very Persistent and Very Bioaccumulative	
ED	Endocrine disrupting properties	

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 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
H302	Harmful if swallowed.

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Full text of H- and EUH-statements:	
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.