

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 16-5-2018 Revision date: 4-10-2022 Supersedes version of: 22-3-2021 Version: 2.2

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

1.1. Product identifier

Product form Trade name	: Mixture : ATV Farmer Oil 15W-40
Product code	: PM.20.00
Product group	: Trade product

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

1.2.1. Relevant identified uses

Main use category Use of the substance/mixture Function or use category : Industrial use, Professional use, Consumer use

: Engine oil

: Lubricants and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Putoline Oil Dollegoorweg, 15 NL– 7602 EC Almelo Netherlands T 0031 (0)546 81 81 65 vib@putoline.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Cardiff Centre) University Hospital Llandough	Penlan Road CF64 2XX Llandough	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

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

EUH-statements

: EUH210 - Safety data sheet available on request.

2.3. Other hazards

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

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Component	
Phenol, paraalkylation products with C10-15 branched olefins (C12-rich) derived from propene oligomerization, carbonates, calcium salts, overbased, sulfurized, including distillates (petroleum), hydrotreated, solvent-refined, solvent-dewaxed, or catalytic dewaxed, light or heavy paraffinic C15-C50 (68784-26-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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]
Blend of mineral oils * (*)(Note L)	-	5 – 20	Asp. Tox. 1, H304
Distillates (petroleum), solvent-dewaxed heavy paraffinic (Note L)	CAS-No.: 64742-65-0 EC-No.: 265-169-7 EC Index-No.: 649-474-00-6 REACH-no: 01-2119471299- 27	1 – 2,5	Asp. Tox. 1, H304
Phenol, paraalkylation products with C10-15 branched olefins (C12-rich) derived from propene oligomerization, carbonates, calcium salts, overbased, sulfurized, including distillates (petroleum), hydrotreated, solvent-refined, solvent-dewaxed, or catalytic dewaxed, light or heavy paraffinic C15-C50	CAS-No.: 68784-26-9 EC-No.: 701-251-5 REACH-no: 01-2119524004- 56	0,3 – 2,5	Aquatic Chronic 4, H413

Comments

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

*: contains one or more of the following CAS-numbers (REACH registration numbers):

64741-88-4 (01-2119488706-23), 64741-89-5 (01-2119487067-30), 64741-95-3 (01-2119487081-40), 64741-96-4 (01-2119483621-38), 64741-97-5 (01-2119480374-36), 64742-01-4 (01-2119488707-21), 64742-52-5 (01-2119467170-45), 64742-53-6 (01-2119480375-34), 64742-54-7 (01-2119484627-25), 64742-55-8 (01-2119487077-29), 64742-56-9 (01-2119480132-48), 64742-57-0 (01-2119489287-22), 64742-62-7 (01-2119480472-38), 64742-65-0 (01-2119471299-27), 64742-71-8 (01-2119485040-48), 72623-85-9 (01-2119555262-43), 72623-86-0 (01-2119474878-16), 72623-87-1 (01-2119474889-13), 74869-22-0 (01-2119495601-36)

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

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SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion	 Remove person to fresh air and keep comfortable for breathing. Wash skin with plenty of water. Rinse eyes with water as a precaution. Do NOT induce vomiting. Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and e	ffects, both acute and delayed
Symptoms/effects	: No additional information available.
4.3. Indication of any immediate med	ical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media Unsuitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide. : Do not use a heavy water stream.			
5.2. Special hazards arising from the subst	tance or mixture			
Fire hazard Hazardous decomposition products in case of fire	 Combustible liquid. 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 equipm	ent and emergency procedures			
6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders	Ventilate spillage area.			
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 a	nd cleaning up			
Methods for cleaning up Other information	 Take up liquid spill into absorbent material. 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.

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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 a	ny 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

ATV Farmer Oil 15W-40	
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				
Type Field of application Characteristics Standard				
Safety glasses	Droplet	clear	EN 166	

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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

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 ch	emical properties	
Physical state	: Liquid	
Colour	: brown.	
Odour	: characteristic.	
Odour threshold	: Not available	
Melting point	: Not applicable	
Freezing point	: -33 °C - ASTM D5950 (pour point)	
Boiling point	: Not available	
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	: 220 °C - ASTM D92 (COC)	
Auto-ignition temperature	: Not available	
Decomposition temperature	: Not available	
pH	: Not available	
Viscosity, kinematic	: 86,7 mm²/s (40 °C) - ASTM D7279	
Solubility	: Water: Insoluble / Slightly miscible	
Partition coefficient n-octanol/water (Log Kow)	: Not available	
Vapour pressure	: Not available	
Vapour pressure at 50 °C	: Not available	
Density	: 0,865 kg/l (15 °C) - ASTM D4052	
Relative density	: Not available	
Relative vapour density at 20 °C	: Not available	
Particle characteristics	: Not applicable	

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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.

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 (dermal)	Not classified Not classified Not classified	
Blend of mineral oils *		
LD50 oral rat	> 5000 mg/kg Data from similar product	
LD50 dermal rabbit	> 5000 mg/kg Data from similar product	
LC50 Inhalation - Rat (Dust/Mist)	> 5 mg/l/4h Data from similar product	
Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)		
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)	
Phenol, paraalkylation products with C10-15 branched olefins (C12-rich) derived from propene oligomerization, carbonates, calcium salts, overbased, sulfurized, including distillates (petroleum), hydrotreated, solvent-refined, solvent-dewaxed, or catalytic dewaxed, light or heavy paraffinic C15-C50 (68784-26-9)		
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)	
LD50 dermal rabbit	> 4000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)	
LC50 Inhalation - Rat	> 1,67 mg/l (1h)	
Skin corrosion/irritation :	Not classified	

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Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Distillates (petroleum), solvent-dewaxed her	avy paraffinic (64742-65-0)
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)
NOAEL (dermal, rat/rabbit, 90 days)	≈ 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
	5 branched olefins (C12-rich) derived from propene oligomerization, rized, including distillates (petroleum), hydrotreated, solvent-refined, solvent- vy paraffinic C15-C50 (68784-26-9)
NOAEL (oral, rat, 90 days)	200 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEL (dermal, rat/rabbit, 90 days)	≈ 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
Aspiration hazard	: Not classified
ATV Farmer Oil 15W-40	
Viscosity, kinematic	86,7 mm²/s (40 °C) - ASTM D7279
Blend of mineral oils *	
Viscosity, kinematic	< 20,5 mm ² /s
Aliphatic, alicyclic or aromatic hydrocarbon	Yes
Distillates (petroleum), solvent-dewaxed her	avy paraffinic (64742-65-0)
Viscosity, kinematic	< 20,5 mm²/s @40°C
Aliphatic, alicyclic or aromatic hydrocarbon	Yes
11.2. Information on other hazards	

No additional information available

SECTION 12: Ecological information		
12.1. Toxicity		
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.	
Hazardous to the aquatic environment, short–term (acute)	: Not classified	
Hazardous to the aquatic environment, long–term (chronic)	: Not classified	
Blend of mineral oils *		
LC50 - Fish [1]	> 100 mg/l Data from similar product	
EC50 - Crustacea [1]	> 10000 mg/l Data from similar product	
EC50 72h - Algae [1]	> 100 mg/l Data from similar product	

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Blend of mineral oils *			
NOEC chronic crustacea	> 10 mg/l		
NOEC chronic algae	> 10 mg/l (Water flea (Daphnia magna), 21 d)		
Phenol, paraalkylation products with C10-15 branched olefins (C12-rich) derived from propene oligomerization, carbonates, calcium salts, overbased, sulfurized, including distillates (petroleum), hydrotreated, solvent-refined, solvent-dewaxed, or catalytic dewaxed, light or heavy paraffinic C15-C50 (68784-26-9)			
LC50 - Fish [1]	> 1000 mg/l (OECD 203 method)		
EC50 - Crustacea [1]	> 1000 mg/l 48h (Daphnia magna) [OECD 202]		
EC50 - Other aquatic organisms [1]	> 100 mg/l 96h (Crangon crangon)		
ErC50 algae	> 500 mg/l (OECD 201 method)		
NOEC (acute)	> 1000 mg/l 96h (Pimephales promelas) [OECD 203]		
12.2. Persistence and degradability			
	branched olefins (C12-rich) derived from propene oligomerization, zed, including distillates (petroleum), hydrotreated, solvent-refined, solvent- / paraffinic C15-C50 (68784-26-9)		
Persistence and degradability	Not readily biodegradable.		
Biodegradation	13,4 % Directive 67/548/CEE, Annex V, C.4.C.		
12.3. Bioaccumulative potential			
Phenol, paraalkylation products with C10-15 branched olefins (C12-rich) derived from propene oligomerization, carbonates, calcium salts, overbased, sulfurized, including distillates (petroleum), hydrotreated, solvent-refined, solvent-dewaxed, or catalytic dewaxed, light or heavy paraffinic C15-C50 (68784-26-9)			
actuation, or outany to domanou, light of floury	/ paraffinic C15-C50 (68784-26-9)		
Bioconcentration factor (BCF REACH)	2,2		
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Bioconcentration factor (BCF REACH) Partition coefficient n-octanol/water (Log Pow) 12.4. Mobility in soil Phenol, paraalkylation products with C10-15	2,2 9,5 branched olefins (C12-rich) derived from propene oligomerization, zed, including distillates (petroleum), hydrotreated, solvent-refined, solvent-		
Bioconcentration factor (BCF REACH) Partition coefficient n-octanol/water (Log Pow) 12.4. Mobility in soil Phenol, paraalkylation products with C10-15 carbonates, calcium salts, overbased, sulfuri	2,2 9,5 branched olefins (C12-rich) derived from propene oligomerization, zed, including distillates (petroleum), hydrotreated, solvent-refined, solvent-		
Bioconcentration factor (BCF REACH) Partition coefficient n-octanol/water (Log Pow) 12.4. Mobility in soil Phenol, paraalkylation products with C10-15 carbonates, calcium salts, overbased, sulfuri dewaxed, or catalytic dewaxed, light or heavy	2,2 9,5 branched olefins (C12-rich) derived from propene oligomerization, zed, including distillates (petroleum), hydrotreated, solvent-refined, solvent- y paraffinic C15-C50 (68784-26-9)		
Bioconcentration factor (BCF REACH) Partition coefficient n-octanol/water (Log Pow) 12.4. Mobility in soil Phenol, paraalkylation products with C10-15 carbonates, calcium salts, overbased, sulfuri dewaxed, or catalytic dewaxed, light or heavy Ecology - soil	2,2 9,5 branched olefins (C12-rich) derived from propene oligomerization, zed, including distillates (petroleum), hydrotreated, solvent-refined, solvent- y paraffinic C15-C50 (68784-26-9)		
Bioconcentration factor (BCF REACH) Partition coefficient n-octanol/water (Log Pow) 12.4. Mobility in soil Phenol, paraalkylation products with C10-15 carbonates, calcium salts, overbased, sulfuri dewaxed, or catalytic dewaxed, light or heavy Ecology - soil 12.5. Results of PBT and vPvB assessment	2,2 9,5 branched olefins (C12-rich) derived from propene oligomerization, zed, including distillates (petroleum), hydrotreated, solvent-refined, solvent- y paraffinic C15-C50 (68784-26-9)		
Bioconcentration factor (BCF REACH) Partition coefficient n-octanol/water (Log Pow) 12.4. Mobility in soil Phenol, paraalkylation products with C10-15 carbonates, calcium salts, overbased, sulfuri dewaxed, or catalytic dewaxed, light or heavy Ecology - soil 12.5. Results of PBT and vPvB assessment No additional information available	2,2 9,5 branched olefins (C12-rich) derived from propene oligomerization, zed, including distillates (petroleum), hydrotreated, solvent-refined, solvent- y paraffinic C15-C50 (68784-26-9)		
Bioconcentration factor (BCF REACH) Partition coefficient n-octanol/water (Log Pow) 12.4. Mobility in soil Phenol, paraalkylation products with C10-15 carbonates, calcium salts, overbased, sulfuri dewaxed, or catalytic dewaxed, light or heavy Ecology - soil 12.5. Results of PBT and vPvB assessment No additional information available 12.6. Endocrine disrupting properties	2,2 9,5 branched olefins (C12-rich) derived from propene oligomerization, zed, including distillates (petroleum), hydrotreated, solvent-refined, solvent- y paraffinic C15-C50 (68784-26-9)		
Bioconcentration factor (BCF REACH) Partition coefficient n-octanol/water (Log Pow) 12.4. Mobility in soil Phenol, paraalkylation products with C10-15 carbonates, calcium salts, overbased, sulfuri dewaxed, or catalytic dewaxed, light or heavy Ecology - soil 12.5. Results of PBT and vPvB assessment No additional information available 12.6. Endocrine disrupting properties No additional information available	2,2 9,5 branched olefins (C12-rich) derived from propene oligomerization, zed, including distillates (petroleum), hydrotreated, solvent-refined, solvent- y paraffinic C15-C50 (68784-26-9)		
Bioconcentration factor (BCF REACH) Partition coefficient n-octanol/water (Log Pow) 12.4. Mobility in soil Phenol, paraalkylation products with C10-15 I carbonates, calcium salts, overbased, sulfuri dewaxed, or catalytic dewaxed, light or heavy Ecology - soil 12.5. Results of PBT and vPvB assessment No additional information available 12.6. Endocrine disrupting properties No additional information available 12.7. Other adverse effects	2,2 9,5 branched olefins (C12-rich) derived from propene oligomerization, zed, including distillates (petroleum), hydrotreated, solvent-refined, solvent- y paraffinic C15-C50 (68784-26-9)		

Waste treatment methods

: Do not allow into drains or water courses. Dispose of contents/container in accordance with licensed collector's sorting instructions.

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Product/Packaging disposal recommendations
European List of Waste (LoW) code

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

: 13 02 05* - mineral-based non-chlorinated engine, gear and lubricating oils

SECTION 14: Transport information

ADR	IMDG	ΙΑΤΑ	ADN	RID
I4.1. UN number or ID n	umber	II		
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shippin	g name	· · · · · · · · · · · · · · · · · · ·		
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard o	class(es)	I I		
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 haz	zards	· · · · · · · · · · · · · · · · · · ·		
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

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(b)	Blend of mineral oils * ; Distillates (petroleum), solvent-dewaxed heavy paraffinic

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EU restriction list (REA	ACH Annex XVII)
Reference code	Applicable on
3(c)	Phenol, paraalkylation products with C10-15 branched olefins (C12-rich) derived from propene oligomerization, carbonates, calcium salts, overbased, sulfurized, including distillates (petroleum), hydrotreated, solvent-refined, solvent-dewaxed, or catalytic dewaxed, light or heavy paraffinic C15-C50

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

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 %

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	Function or use category	Added	
1.2	Use of the substance/mixture	Added	
9.1	Solubility in water	Added	
15.1	REACH Annex XVII	Added	

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

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Abbreviations and acr	onyms:
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
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:	
Aquatic Chronic 4	Hazardous to the aquatic environment – Chronic Hazard, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
EUH210	Safety data sheet available on request.
H304	May be fatal if swallowed and enters airways.

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Full text of H- and EUH-statements:	
H413	May cause long lasting harmful effects to aquatic life.

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.