

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 16-5-2018 Revision date: 5-10-2022 Supersedes version of: 30-9-2019 Version: 3.2

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

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

Product form	:	Mixture
Trade name	:	Formula V-Twin 20W-50
Product code	:	PM.30.03
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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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 heavy paraffinic (Note L)	CAS-No.: 64742-54-7 EC-No.: 265-157-1 EC Index-No.: 649-467-00-8 REACH-no: 01-2119484627- 25	10 – 20	Asp. Tox. 1, H304
Blend of mineral oils * (*)(Note L)	-	5 – 10	Asp. Tox. 1, H304
Oil Soluble Polyalkylene Glycol	-	1 – 2,5	Aquatic Chronic 3, H412

#### 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

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	<ul> <li>Remove person to fresh air and keep comfortable for breathing.</li> <li>Wash skin with plenty of water.</li> <li>Rinse eyes with water as a precaution.</li> <li>Do NOT induce vomiting. Call a poison center or a doctor if you feel unwell.</li> </ul>
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.

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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 heavy water stream.</li></ul>		
5.2. Special hazards arising from the substance or mixture			
Fire hazard Hazardous decomposition products in case of fire	<ul> <li>Combustible liquid.</li> <li>Toxic fumes may be released. Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.</li> </ul>		
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, protectiv	ve 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		

	<b>v</b> .
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	
0	<ul> <li>Provide good ventilation in process area to prevent formation of vapour.</li> <li>Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.</li> </ul>
7.2. Conditions for safe storage, including a	ny incompatibilities
Storage conditions	<ul> <li>Keep container closed when not in use. Keep in a cool, well-ventilated place away from heat.</li> </ul>
Storage temperature	: 0-40 °C
7.3. Specific end use(s)	

No additional information available

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SECTION 8: Exposure controls/personal protection		
8.1. Control parameters		
8.1.1 National occupational exposure and biological	limit values	
Formula V-Twin 20W-50		
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).	
Oil Soluble Polyalkylene Glycol		
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

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#### 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 pr	operties	
9.1. Information on basic physical and ch	emical properties	
Colour Odour Odour threshold Melting point Freezing point Boiling point Flammability Explosive limits Lower explosion limit	<ul> <li>Brown.</li> <li>characteristic.</li> <li>Not available</li> <li>Not applicable</li> <li>-27 °C - ASTM D5950 (pour point)</li> <li>Not available</li> <li>Not applicable</li> <li>Not available</li> <li>Not available</li> <li>Not available</li> <li>Not available</li> </ul>	
Upper explosion limit Flash point Auto-ignition temperature Decomposition temperature pH Viscosity, kinematic	<ul> <li>Not available</li> <li>236 °C - ASTM D92 (COC)</li> <li>Not available</li> <li>Not available</li> <li>Not available</li> <li>167 mm<sup>2</sup>/s (40 °C) - ASTM D7279</li> </ul>	
Solubility Partition coefficient n-octanol/water (Log Kow) Vapour pressure Vapour pressure at 50 °C Density Relative density Relative vapour density at 20 °C Particle characteristics	<ul> <li>Water: Insoluble / Slightly miscible</li> <li>Not available</li> <li>Not available</li> <li>Not available</li> <li>0,892 kg/l (15 °C) - ASTM D4052</li> <li>Not available</li> <li>Not available</li> <li>Not available</li> <li>Not available</li> <li>Not applicable</li> </ul>	
9.2. Other information		
9.2.1. Information with regard to physical hazar	d classes	

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

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

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#### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

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

#### 10.2. Chemical stability

Stable under normal conditions.

**10.3. Possibility of hazardous reactions** 

No dangerous reactions known under normal conditions of use. 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), hydrotreated heavy pa	raffinic (64742-54-7)	
LD50 oral rat	> 5000 mg/kg	
LD50 dermal rabbit	> 2000 mg/kg	
LC50 Inhalation - Rat	> 5,53 mg/l/4h	
Skin corrosion/irritation :	Not classified	
Serious eye damage/irritation :	Not classified	
Respiratory or skin sensitisation :	Not classified	
Germ cell mutagenicity	Not classified	
Carcinogenicity :	Not classified	
Reproductive toxicity :	Not classified	
STOT-single exposure :	Not classified	
STOT-repeated exposure :	Not classified	
Aspiration hazard :	Not classified	
Formula V-Twin 20W-50		
Viscosity, kinematic	167 mm²/s (40 °C) - ASTM D7279	
Blend of mineral oils *		
Viscosity, kinematic	< 20,5 mm²/s	
Aliphatic, alicyclic or aromatic hydrocarbon	Yes	

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Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)		
Viscosity, kinematic < 20,5 mm²/s		
Aliphatic, alicyclic or aromatic hydrocarbon Yes		
Oil Soluble Polyalkylene Glycol		
Viscosity, kinematic 46 mm <sup>2</sup> /s (40 °C) - ASTM D7279		
11.2. Information on other hazards		

No additional information available

SECTION 12: Ecological information		
12.1. Toxicity		
Hazardous to the aquatic environment, short–term : (acute)	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Not classified 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	
NOEC chronic crustacea	> 10 mg/l	
NOEC chronic algae	> 10 mg/l (Water flea (Daphnia magna), 21 d)	
Distillates (petroleum), hydrotreated heavy pa	raffinic (64742-54-7)	
LC50 - Fish [1]	> 100 mg/l (Pimephales promelas, 96h) (OECD 203 method)	
EC50 - Crustacea [1]	> 10000 mg/l (Gammarus pulex, 48h) (OECD 202 method)	
EC50 72h - Algae [1]	> 100 mg/l	
NOEC (acute)	≥ 100 mg/l (Pseudokirchnerella subcapitata, 72h) (OECD 201 method)	
NOEC chronic crustacea	10 mg/l (Daphnia magna, 21d) (OECD 211 method)	
12.2. Persistence and degradability		
Distillates (petroleum), hydrotreated heavy pa	raffinic (64742-54-7)	
Biodegradation	31 % (28d) (OECD 301F method)	
Oil Soluble Polyalkylene Glycol		
Persistence and degradability	Not readily biodegradable.	
12.3. Bioaccumulative potential		
No additional information available		
12.4. Mobility in soil		
No additional information available		
12.5. Results of PBT and vPvB assessment		
No additional information available		

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12.6. Endocrine disrupting properties		
No additional information available		
12.7. Other adverse effects		
No additional information available		

SECTION 13: Disposal consideration	S
13.1. Waste treatment methods	
Waste treatment methods	: Do not allow into drains or water courses. Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations European List of Waste (LoW) code	<ul> <li>Dispose in a safe manner in accordance with local/national regulations.</li> <li>13 02 05* - mineral-based non-chlorinated engine, gear and lubricating oils</li> </ul>

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### **SECTION 14: Transport information**

ADR	IMDG	ΙΑΤΑ	ADN	RID
4.1. UN number or ID r	number			<u> </u>
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
I4.2. UN proper shippin	ig name			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard	class(es)			·
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

**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

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#### **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), hydrotreated heavy paraffinic
3(c) Oil Soluble Polyalkylene Glycol	

#### **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.

#### **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 ch	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	
4.2	Symptoms/effects	Modified	
5.2	Hazardous decomposition products in case of fire	Modified	
9.1	Solubility in water	Added	

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Indication of changes	Indication of changes		
Section	Changed item	Change	Comments
10.3	Possibility of hazardous reactions	Modified	
15.1	REACH Annex XVII	Modified	
16	Abbreviations and acronyms	Modified	

ADNEuropean Agreement concerning the International Carriage of Dangerous Goods by Inland WaterwaysARREuropean Agreement concerning the International Carriage of Dangerous Goods by RoadATEAcute Toxicity EstimateBCFBioconcentration factorEIVBiological limit valueBODBiochemical oxygen demand (BOD)CDDChemical oxygen demand (BOD)DNELDerived Minimal Effect levelDNELDerived Minimal Effect levelEC-No.European Community numberEC-No.European Community numberECS0Median effective concentrationENEuropean Community numberECS0International Agercy for Research on CancerIARCInternational Agercy for Research on CancerIARCInternational Agercy for Research on CancerIARAInternational Agercy for Research on CancerIARGInternational Agercy for Research on CancerIARGInternational Agreey for Research on Cancer	Abbreviations and acronyms:	
ATEAcute Toxicity EstimateBCFBioconcentration factorBLVBiological limit valueBODBiochenical oxygen demand (BOD)CODChemical oxygen demand (COD)DMELDerived Minimal Effect levelDNELDerived-No Effect LevelEC-No.European Community numberECS0Median effective concentrationENEuropean StandardIARCInternational Agency for Research on CancerIATAInternational Agency for Research on CancerIATAInternational Agency for Research on CancerLS50Median lefthal concentrationLG50Median lefthal concentrationLG50Median lefthal concentrationLG50Median lefthal concentrationLG50Median lefthal concentrationLG50Median lefthal concentrationLG50Median lefthal concentrationLG50No-Dbserved Adverse Effect LevelNOAECNo-Observed Effect ConcentrationNOAECNo-Observed Effect ConcentrationNOAELNo-Observed Effect ConcentrationNOAELOccupational Exposure LimitPBTPersistent Bioaccumulative ToxicPNECPredicted No-Effect ConcentrationRIDRegulations concerning the International Carriage of Dangerous Goods by RailSDSSafety Data StentetSTPSewage treatment plantThDDTheoretical oxygen demand (ThDD)TLMMedian Tolerance LimitVOCVolatile Organic CompoundsCAS-No.Chemic	ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
BCFBioconcentration factorBLVBiological limit valueBODBiochemical oxygen demand (BOD)CODChemical oxygen demand (COD)DMELDerived Minal Effect levelDNELDerived No Effect LevelEC-No.European Community numberECS0Media neffective concentrationIRCInternational Agency for Research on CancerIATAInternational Ari Transport AssociationIDDGInternational Ari Transport AssociationIDDGMedian lethal concentrationLOS0Median lethal concentrationNOAELNo-Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect LevelNOAELOccupational free ConcentrationOECDOrganisation for Economic Co-operation and DevelopmentOELOccupational Exposure LimitPRTPersistent Bioaccumulative ToxicPNECPerdicted No-Effect ConcentrationRIDSafety Data SheetSTPSavage tratment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolarogen compoundsVOCVolatile Organic CompoundsCost-No.Service Lumit	ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
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           EC30         Median effective concentration           EN         European Standard           IARC         International Agency for Research on Cancer           IATA         International Maritime Dangerous Goods           LD50         Median lethal concentration           ID50         Median lethal concentration           NOAEL         Lowest Observed Adverse Effect Level           NOAEL         No-Observed Adverse Effect Concentration           OECD         Organisation for Economic Co-operation and Development           OEL         Occupational Exposure Limit           PIE	ATE	Acute Toxicity Estimate
BODBlochemical oxygen demand (BOD)CODChemical oxygen demand (COD)DMELDerived Minimal Effect levelDNELDerived-No Effect LevelEC-No.European Community numberECS0Median effective concentrationENEuropean StandardIARCInternational Agency for Research on CancerIATAInternational Agency for Research on CancerIATAInternational Maritime Dangerous GoodsLCS0Median lethal concentrationLCS0Median lethal doneLCS0Median lethal doseLCS0Median lethal doseLCS0Median lethal doseLCAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect ConcentrationNOAELNo-Observed Adverse Effect LevelNOAELOccupational Exposure LimitPBTPersistent Bioaccumulative ToxicPNECPredicted No-Effect ConcentrationRIDRegulations concerning the International Carriage of Dangerous Goods by RailSDSSafety Data SheetSTPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic CompoundsCAS-No.Chemical Abstract Service number	BCF	Bioconcentration factor
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RIDRegulations concerning the International Carriage of Dangerous Goods by RailSDSSafety Data SheetSTPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic CompoundsCAS-No.Chemical Abstract Service number	РВТ	Persistent Bioaccumulative Toxic
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	PNEC	Predicted No-Effect Concentration
STPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic CompoundsCAS-No.Chemical Abstract Service number	RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
ThOD       Theoretical oxygen demand (ThOD)         TLM       Median Tolerance Limit         VOC       Volatile Organic Compounds         CAS-No.       Chemical Abstract Service number	SDS	Safety Data Sheet
TLM     Median Tolerance Limit       VOC     Volatile Organic Compounds       CAS-No.     Chemical Abstract Service number	STP	Sewage treatment plant
VOC     Volatile Organic Compounds       CAS-No.     Chemical Abstract Service number	ThOD	Theoretical oxygen demand (ThOD)
CAS-No. Chemical Abstract Service number	TLM	Median Tolerance Limit
	VOC	Volatile Organic Compounds
N.O.S. Not Otherwise Specified	CAS-No.	Chemical Abstract Service number
	N.O.S.	Not Otherwise Specified

### Safety Data Sheet

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

Abbreviations and acronyms:		
vPvB	Very Persistent and Very Bioaccumulative	
ED	Endocrine disrupting properties	
Full text of H- and El	Full text of H- and EUH-statements:	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3	
Asp. Tox. 1	Aspiration hazard, Category 1	
EUH210	Safety data sheet available on request.	
H304	May be fatal if swallowed and enters airways.	
H412	Harmful to aquatic life with long lasting effects.	

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.