

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 22-5-2018 Revision date: 19-6-2024 Supersedes version of: 28-9-2022 Version: 1.5

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

1.1. Product identifier

Product form	:	Mixture
Trade name	:	Dieselfleet Super G 15W-50
Product code	:	01.20.68
Type of product	:	Lubricants
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 : Industrial use,Professional use,Consumer use : Engine oil

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Kroon-Oil B.V. Dollegoorweg 15 NL 7602 EC Almelo Netherlands T 0031 (0)546 81 81 65 vib@kroon-oil.nl

1.4. Emergency telephone number

Country/Area	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9	+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	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 and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

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Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	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)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	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)

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

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)	-	10 – 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-
Note L: Full text of H- ar	22-0 (01-2119495601-36) The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide 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), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class. 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 general First-aid measures after inhalation First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion	 If you feel unwell, seek medical advice. Remove person to fresh air and keep comfortable for breathing. Wash skin with plenty of water. Rinse eyes with water as a precaution. Call a poison center or a doctor if you feel unwell. 		
4.2. Most important symptoms and effects, both acute and delayed			
4.2. Wost important symptoms and en	fects, both acute and delayed		
Symptoms/effects Symptoms/effects after inhalation	 i. No additional information available. i. Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard. 		

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. 5.2. Special hazards arising from the substance or mixture Fire hazard : Combustible liquid. Explosion hazard : No direct explosion hazard. Hazardous decomposition products in case of fire : Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases. 5.3. Advice for firefighters : Section firefighters

5.3. Advice for firefighters	
Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper
	protective equipment, including respiratory protection.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained
	breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures				
6.1. Personal precautions, protective equipment and emergency procedures				
General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.			
6.1.1. For non-emergency personnel				
Protective equipment	: Wear recommended personal protective equipment.			
Emergency procedures	: Ventilate spillage area.			
6.1.2. For emergency responders				
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".			
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so.			
6.2. Environmental precautions				

Avoid release to the environment.

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6.3. Methods and material for containment and cleaning up			
For containment	: Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.		
Methods for cleaning up	: 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			
Additional hazards when processed Precautions for safe handling Hygiene measures	 Not expected to present a significant hazard under anticipated conditions of normal use. Provide good ventilation in process area to prevent formation of vapour. 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, incl	uding any incompatibilities		
Technical measures Storage conditions	 Keep in a cool, well-ventilated place away from heat. Keep container closed when not in use. Keep in a cool, well-ventilated place away from heat. 		
Storage temperature Packaging materials	 9 – 40 °C Store always product in container of same material as original container. 		
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

Dieselfleet Super G 15W-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).

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.

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8.2.2. Personal protection equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection: Safety glasses

Salety glasses

Eye protection			
Type 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

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.

9.1. Information on basic phy	sical and chemical properties	
Physical state	: Liquid	
Colour	: Green.	
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	

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Explosive properties	: Presents no particular fire or explosion hazard.
Lower explosion limit	Not available
Upper explosion limit	: Not available
Flash point	: 215 °C - ASTM D92 (COC)
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
рН	: Not available
Viscosity, kinematic	: 134 mm²/s (40 °C) - ASTM D7042
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	: 0,867 kg/l (15 °C) - ASTM D4052
Relative density	: Not available
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

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 (oral) :	Not classified
Acute toxicity (dermal) :	Not classified
Acute toxicity (inhalation) :	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

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Blend of mineral oils * C50 Inhalation - Rat (Dust/Mist) Distillates (petroleum), solvent-dewaxed hea D50 oral rat	> 5 mg/l/4h Data from similar product avv paraffinic (64742-65-0)			
Distillates (petroleum), solvent-dewaxed hea				
	avy paraffinic (64742-65-0)			
D50 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)			
	branched olefins (C12-rich) derived from propene oligomerization,			
	rized, including distillates (petroleum), hydrotreated, solvent-refined, solvent			
lewaxed, or catalytic dewaxed, light or heav	/y paraffinic C15-C50 (68784-26-9)			
D50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)			
D50 dermal rabbit	> 4000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)			
C50 Inhalation - Rat	> 1,67 mg/l (1h)			
kin corrosion/irritation	Not classified			
erious eye damage/irritation	Not classified			
espiratory or skin sensitisation	Not classified			
erm cell mutagenicity arcinogenicity	: Not classified : Not classified			
eproductive toxicity	Not classified			
FOT-single exposure	Not classified			
FOT-repeated exposure	: Not classified			
Distillates (petroleum), solvent-dewaxed hea	avy paraffinic (64742-65-0)			
OAEL (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)			
IOAEL (dermal, rat/rabbit, 90 days)	≈ 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dos Dermal Toxicity: 21/28-Day Study)			
henol, paraalkylation products with C10-1	b branched olefins (C12-rich) derived from propene oligomerization,			
carbonates, calcium salts, overbased, sulfurized, including distillates (petroleum), hydrotreated, solvent-refined, solvent				
lewaxed, or catalytic dewaxed, light or heav	/y paraffinic C15-C50 (68784-26-9)			
IOAEL (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)			
IOAEL (dermal, rat/rabbit, 90 days)	≈ 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)			
spiration hazard	Not classified			
)ieselfleet Super G 15W-50				
/iscosity, kinematic	134 mm²/s (40 °C) - ASTM D7042			
Blend of mineral oils *				
iscosity, kinematic	< 20,5 mm²/s			
liphatic, alicyclic or aromatic hydrocarbon	Yes			
Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)				
iscosity, kinematic	< 20,5 mm²/s @40°C			
liphatic, alicyclic or aromatic hydrocarbon	Yes			
1.2. Information on other hazards				
o additional information available				

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SECTION 12: Ecological information			
12.1. Toxicity			
Hazardous to the aquatic environment, short-term :	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Not classified		
(acute) 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		
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			
Dieselfleet Super G 15W-50			
Persistence and degradability	Not rapidly degradable		
Blend of mineral oils *	·		
Persistence and degradability	Not rapidly degradable		
Distillates (petroleum), solvent-dewaxed heav	y paraffinic (64742-65-0)		
Persistence and degradability	Not rapidly degradable		
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)			
Persistence and degradability	Not readily biodegradable.		
Biodegradation	13,4 % Directive 67/548/CEE, Annex V, C.4.C.		
12.3. Bioaccumulative potential			
	pranched olefins (C12-rich) derived from propene oligomerization, zed, including distillates (petroleum), hydrotreated, solvent-refined, solvent- paraffinic C15-C50 (68784-26-9)		
Bioconcentration factor (BCF REACH)	2,2		

Bioconcentration factor (BCF REACH)	2,2
Partition coefficient n-octanol/water (Log Pow)	9,5

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12.4. Mobility in soil 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) Ecology - soil Product adsorbs little onto the soil. 12.5. Results of PBT and vPvB assessment Component

Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	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)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	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)

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				
Regional waste regulation	: Disposal must be done according to official regulations.			
Waste treatment methods	: Do not allow into drains or water courses. Dispose of contents/container in accordance with licensed collector's sorting instructions.			
Sewage disposal recommendations	: Disposal must be done according to official regulations.			
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.			
Additional information	: Do not re-use empty containers.			
European List of Waste (LoW, EC 2000/532)	: 13 02 05* - mineral-based non-chlorinated engine, gear and lubricating oils			

SECTION 14: Transport information

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number or ID nu	umber	· · · ·		
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping	name			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard cl	lass(es)			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group		·		
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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ADR	IMDG	ΙΑΤΑ	ADN	RID	
14.5. Environmental haz	14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
No supplementary information available					
14.6. Special precautions	s for user				
Overland transport Not applicable					

Transport by sea Not applicable

Air transport

Not applicable

Inland waterway transport Not applicable

Rail transport

Not applicable

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	Entry title or description		
3(b)	Blend of mineral oils * ; Distillates (petroleum), solvent-dewaxed heavy paraffinic	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10		
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	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1		

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

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PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Dual-Use Regulation (428/2009)

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

VOC Directive (2004/42)

VOC content

: 0 %

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	
	Type of product	Added	
1.2	Function or use category	Removed	
4.1	First-aid measures general	Added	
4.2	Symptoms/effects after ingestion	Added	
4.2	Symptoms/effects after eye contact	Added	
4.2	Symptoms/effects after inhalation	Added	
4.2	Symptoms/effects after skin contact	Added	
5.2	Explosion hazard	Added	
5.2	Hazardous decomposition products in case of fire	Modified	
5.3	Firefighting instructions	Added	
6.1	Protective equipment	Added	
6.1	Emergency procedures	Added	
6.1	General measures	Added	
6.3	For containment	Added	
7.1	Additional hazards when processed	Added	

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Indication of changes			
Section	Changed item	Change	Comments
7.2	Packaging materials	Added	
7.2	Technical measures	Added	
8.2	Personal protective equipment	Added	
10.3	Possibility of hazardous reactions	Modified	
13.1	Additional information	Added	
13.1	Sewage disposal recommendations	Added	
13.1	Regional waste regulation	Added	
13.1	H code	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	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
IATA	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	

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

Abbreviations and acronyms:		
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.	
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.