

Page 1 of 13 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 01.11.2021 / 0021 Replacing version dated / version: 14.10.2021 / 0020 Valid from: 01.11.2021 PDF print date: 01.11.2021 Gear Protect

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

1.1 Product identifier

Gear Protect

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

Additives Uses advised against: No information available at present.

1.3 Details of the supplier of the safety data sheet

LIQUI MOLY GmbH Jerg-Wieland-Str. 4 89081 Ulm-Lehr Tel.: (+49) 0731-1420-0 Fax: (+49) 0731-1420-88

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number Emergency information services / official advisory body:

Telephone number of the company in case of emergencies:

+49 (0) 700 / 24 112 112 (LMR) +1 872 5888271 (LMR)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (CLP)

Hazard category	Hazard statement
2	H315-Causes skin irritation.
1	H317-May cause an allergic skin reaction.
4	H413-May cause long lasting harmful effects to aquatic life.
	Hazard category 2 1

2.2 Label elements Labeling according to Regulation (EC) 1272/2008 (CLP)



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Warning

H315-Causes skin irritation. H317-May cause an allergic skin reaction. H413-May cause long lasting harmful effects to aquatic life.

P101-If medical advice is needed, have product container or label at hand. P102-Keep out of reach of children. P261-Avoid breathing vapours or spray. P273-Avoid release to the environment. P280-Wear protective gloves. P302+P352-IF ON SKIN: Wash with plenty of water / soap. P333+P313-If skin irritation or rash occurs: Get medical advice / attention. P501-Dispose of contents / container to an approved waste disposal facility.

Molybdenum trioxide, reaction products with bis[O,O-bis(2-ethylhexyl)] hydrogene dithiophosphate

2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0.1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0.1 %).

The mixture does not contain any substance with endocrine disrupting properties (< 0,1 %).

SECTION 3: Composition/information on ingredients

3.1 Substances

n.a. 3.2 Mixtures Molybdenum trioxide, reaction products with bis[O,O-bis(2-ethylhexyl)] hydrogene dithiophosphate **Registration number (REACH)** Index EINECS, ELINCS, NLP, REACH-IT List-No. 947-946-9 CAS 20-<30 content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 4, H413 C16-18-(even numbered, saturated and unsaturated)-alkylamines 01-2119473797-19-XXXX **Registration number (REACH)** Index ---EINECS, ELINCS, NLP, REACH-IT List-No. 627-034-4 1213789-63-9 CAS content % 0,1-<0,25



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Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Acute Tox. 4, H302
	Skin Corr. 1B, H314
	Eye Dam. 1, H318
	STOT SE 3, H335
	STOT RE 2, H373 (gastrointestinal tract, liver, immune
	system) (oral)
	Asp. Tox. 1, H304
	Aquatic Acute 1, H400 (M=10)
	Aquatic Chronic 1, H410 (M=10)

Impurities, test data and additional information may have been taken into account in classifying and labelling the product.

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

The substances named in this section are given with their actual, appropriate classification!

For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

SECTION 4: First aid measures

4.1 Description of first aid measures

First-aiders should ensure they are protected!

Never pour anything into the mouth of an unconscious person!

Inhalation

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Not required. Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

Eye contact

Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion

Rinse the mouth thoroughly with water.

Do not induce vomiting - give copious water to drink. Consult doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1. In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours. Product removes fat.

Dermatitis (skin inflammation) Allergic reaction

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing media

CO2 Extinction powder Foam

Unsuitable extinguishing media

High volume water jet **5.2 Special hazards arising from the substance or mixture** In case of fire the following can develop: Oxides of carbon Oxides of carbon

Oxides of carbon Oxides of nitrogen Oxides of sulphur Hydrocarbons

5.3 Advice for firefighters

For personal protective equipment see Section 8. In case of fire and/or explosion do not breathe fumes.



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Protective respirator with independent air supply. According to size of fire Full protection, if necessary. Cool container at risk with water. Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

In case of spillage or accidental release, wear personal protective equipment as specified in section 8 to prevent contamination. Ensure sufficient ventilation, remove sources of ignition.

Avoid dust formation with solid or powder products.

Leave the danger zone if possible, use existing emergency plans if necessary.

Ensure sufficient supply of air.

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Avoid contact with eyes or skin.

If applicable, caution - risk of slipping.

6.1.2 For emergency responders

See section 8 for suitable protective equipment and material specifications.

6.2 Environmental precautions

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

Prevent from entering drainage system.

Prevent surface and ground-water infiltration, as well as ground penetration. If accidental entry into drainage system occurs, inform responsible authorities.

6.3 Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth) and dispose of according to Section 13.

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations

Ensure good ventilation.

Avoid formation of oil mist.

Avoid contact with eyes or skin.

Do not carry cleaning cloths soaked in product in trouser pockets.

Do not heat to temperatures close to flash point.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals.

Store product closed and only in original packing.

Not to be stored in gangways or stair wells.

Do not store with oxidizing agents.

Under all circumstances prevent penetration into the soil. Protect from direct sunlight and warming.

Store in a well ventilated place.

7.3 Specific end use(s)

No information available at present.



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Chemical Name	Molybdenum trioxide, reaction products with bis[O,O-bis(2-ethylhexyl)] hydrogene Content %:20- dithiophosphate <30								
WEL-TWA: 10 mg/m3 (as Mo) (Mo	olybdenum	WEL-STEL: 20 mg/m3 (as Mo)	(Molybdenum						
compounds, insoluble)		compounds, insoluble)							
Monitoring procedures:	-								
BMGV:			Other information:						
Chemical Name	Oil mist, mineral				Content %:				
WEL-TWA: 5 mg/m3 (Mineral oil, e	excluding metal	WEL-STEL:							
working fluids, ACGIH)									
Monitoring procedures:	- [Draeger - Oil Mist 1/a (67 33 031)							
BMGV:			Other information:						

Molybdenum trioxide, reaction products with bis[0,0-bis(2-ethylhexyl)] hydrogene dithiophosphate									
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note			
Consumer	Human - oral	Long term, systemic effects	DNEL	0,5	mg/kg bw/day				
Consumer	Human - dermal	Long term, systemic effects	DNEL	0,5	mg/kg bw/day				
Consumer	Human - inhalation	Long term, systemic effects	DNEL	0,87	mg/m3				
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	1,4	mg/kg bw/day				
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	4,93	mg/m3				

C16-18-(even numbered, saturated and unsaturated)-alkylamines									
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note			
	Environment - freshwater		PNEC	0,26	µg/l				
	Environment - marine		PNEC	0,026	µg/l				
	Environment - sediment, freshwater		PNEC	3,76	mg/kg dw				
	Environment - sediment, marine		PNEC	0,376	mg/kg dw				
	Environment - soil		PNEC	10	mg/kg dw				
	Environment - sewage treatment plant		PNEC	550	µg/l				
	Environment - water, sporadic (intermittent) release		PNEC	1,6	µg/l				
Consumer	Human - oral	Long term, systemic effects	DNEL	0,04	mg/kg bw/day				
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	0,09	mg/kg				

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).

(8) = Inhalable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2017/164/EU, Directive 2004/37/CE).
(11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g creatinine in urine (Directive 2004/37/CE). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period).
(8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Short-term exposure limit



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value in relation to a reference period of 1 minute (2017/164/EU). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision. (13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE), (14) = The substance can cause sensitisation of the skin (Directive 2004/37/CE).

8.2 Exposure controls 8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.

These are specified by e.g. EN 14042.

EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:

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Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection: Protective gloves, oil resistant (EN ISO 374). If applicable Protective nitrile gloves (EN ISO 374). Protective PVC gloves (EN ISO 374). Minimum layer thickness in mm: 0,5

Permeation time (penetration time) in minutes: 240

The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions. The recommended maximum wearing time is 50% of breakthrough time. Protective hand cream recommended.

Skin protection - Other: Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection: Normally not necessary. If OES or MEL is exceeded. Filter A P2 (EN 14387), code colour brown, white Observe wearing time limitations for respiratory protection equipment.

Thermal hazards: Not applicable

Additional information on hand protection - No tests have been performed. In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents. Selection of materials derived from glove manufacturer's indications. Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to

manufacturer. In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical propertiesPhysical state: Liquid

Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower explosion limit: Upper explosion limit: Flash point: Auto-ignition temperature: Decomposition temperature: pH: Kinematic viscosity: Solubility: Partition coefficient n-octanol/water (log value): Vapour pressure: Density and/or relative density: Relative vapour density: Particle characteristics:

9.2 Other information

Explosives: Oxidising liquids:

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Brown Characteristic There is no information available on this parameter. 270 °C Flammable There is no information available on this parameter. There is no information available on this parameter. >180 °C There is no information available on this parameter. There is no information available on this parameter. Mixture is non-soluble (in water). 80 mm2/s (40°C) Insoluble Does not apply to mixtures. There is no information available on this parameter. 0,941 g/ml (15°C) There is no information available on this parameter. Does not apply to liquids.

Product is not explosive. No

SECTION 10: Stability and reactivity

10.1 Reactivity
The product has not been tested.
10.2 Chemical stability
Stable with proper storage and handling.
10.3 Possibility of hazardous reactions
No dangerous reactions are known.
10.4 Conditions to avoid
See also section 7.
Strong heat
10.5 Incompatible materials
See also section 7.
Avoid contact with strong oxidizing agents.
10.6 Hazardous decomposition products
See also section 5.2
No decomposition when used as directed.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Possibly more information on health effects, see Section 2.1 (classification).

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin						n.d.a.
sensitisation:						
Germ cell mutagenicity:						n.d.a.



Aspiration hazard:						H335 Yes
opeoine larger ergan texterly						respiratory tract STOT SE 3,
Specific target organ toxicity -					ental Toxicity Screening Test)	conclusion Irritation of the
Reproductive toxicity (Effects on fertility):	NOAEL	12,5	mg/kg	Rat	Mutation Test) OECD 421 (Reproduction/Developm	Negative, Analogous
Germ cell mutagenicity:					OECD 476 (In Vitro Mammalian Cell Gene	conclusion Negative
Germ cell mutagenicity:				Salmonella typhimurium	OECD 471 (Bacterial Reverse Mutation Test)	Conclusion Negative, Analogous
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	conclusion No (skin contact), Analogous
Serious eye damage/irritation:				Rabbit	Irritation/Corrosion) OECD 405 (Acute Eye Irritation/Corrosion)	Eye Dam. 1, Analogous
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal	Aerosol Skin Corr. 1B
Acute toxicity, by inhalation:	LD50	>0,099	ppmV/4h	Rat	OECD 403 (Acute Inhalation Toxicity)	Analogous conclusion,
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rat	Toxicity) OECD 402 (Acute Dermal Toxicity)	Analogous conclusion
Acute toxicity, by oral route:	LD50	1689	mg/kg	Rat	OECD 401 (Acute Oral	110169
C16-18-(even numbered, satura Toxicity / effect	ted and unsa Endpoint	turated)-alkylar Value	nines Unit	Organism	Test method	Notes
sensitisation:					Sensitisation - Local Lymph Node Assay)	
Respiratory or skin				Mouse	Reconstructed Human Epidermis Test Method) OECD 429 (Skin	Skin Sens. 1B
Acute toxicity, by dermal route: Skin corrosion/irritation:	LD50	10000	mg/kg	Rabbit Human being	OECD 439 (In Vitro Skin Irritation -	Skin Irrit. 2
Acute toxicity, by oral route:	LD50	6810	mg/kg	Rat		
Molybdenum trioxide, reaction Toxicity / effect	products with Endpoint	h bis[O,O-bis(2- Value	ethylhexyl)] h Unit	ydrogene dithiop Organism	hosphate Test method	Notes
• •						
Aspiration hazard: Symptoms:						n.d.a. n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):						n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):						n.d.a.
Reproductive toxicity:						n.d.a.



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Endocrine disrupting properties:		Does	not apply
		to mix	tures.
Other information:		No ot	her
		releva	ant
		inform	nation
		availa	ble on
		adver	se effects
		on he	alth.

SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

Gear Protect							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:							n.d.a.
12.1. Toxicity to daphnia:							n.d.a.
12.1. Toxicity to algae:							n.d.a.
12.2. Persistence and							n.d.a.
degradability:							
12.3. Bioaccumulative							n.d.a.
potential:							
12.4. Mobility in soil:							n.d.a.
12.5. Results of PBT							n.d.a.
and vPvB assessment							
12.6. Endocrine							Does not apply
disrupting properties:							to mixtures.
12.7. Other adverse							No information
effects:							available on
							other adverse
							effects on the
							environment.
Other information:							According to the
							recipe, contains
							no AOX.
Other information:							Aquatic Chronic
							4 Classification
							based on test
							data.

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.2. Persistence and		28d	11	%		OECD 301 B	Not readily
degradability:						(Ready	biodegradable
						Biodegradability -	
						Co2 Evolution	
						Test)	
12.1. Toxicity to fish:	LL50	96h	>100	mg/l	Oncorhynchus	OECD 203 (Fish,	
					mykiss	Acute Toxicity	
						Test)	
12.1. Toxicity to daphnia:	EL50	48h	>100	mg/l	Daphnia magna	OECD 202	
						(Daphnia sp.	
						Acute	
						Immobilisation	
						Test)	
12.1. Toxicity to algae:	EL50	72h	>100	mg/l	Pseudokirchneriell	OECD 201 (Alga,	
					a subcapitata	Growth Inhibition	
						Test)	



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Toxicity to bacteria:	EC50	3h	1000	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test
						(Carbon and Ammonium
						Oxidation))

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LL50	96h	0,06	mg/l	Pimephales		EPA OPPTS
				_	promelas		850.1085
12.1. Toxicity to daphnia:	EL50	48h	0,011	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
2.1. Toxicity to algae:	EC50	72h	0,46	mg/l	Desmodesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	EL50	96h	0,04	mg/l	Selenastrum capricornutum		
12.2. Persistence and degradability:		28d	66	%	activated sludge	OECD 301 B (Ready Biodegradability - Co2 Evolution Test)	Readily biodegradable
Toxicity to bacteria:	EL50	3h	32	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	Analogous conclusion

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

Soaked polluted cloths, paper or other organic materials represent a fire hazard and should be controlled, collected and disposed of. EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be

allocated under certain circumstances. (2014/955/EU)

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

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

Implement substance recycling.

E.g. suitable incineration plant.

For contaminated packing material

Pay attention to local and national official regulations.

Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

SECTION 14: Transport information

General statements

14.1. UN number or ID number:



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Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group:	n.a.
Classification code:	n.a.
LQ:	n.a.
14.5. Environmental hazards:	Not applicable
Tunnel restriction code:	
Transport by sea (IMDG-code)	
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group:	n.a.
Marine Pollutant:	n.a
14.5. Environmental hazards:	Not applicable
Transport by air (IATA)	
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group:	n.a.
14.5. Environmental hazards:	Not applicable
14.6. Special precautions for user	
Unless specified otherwise, general measures for safe transp	ort must be followed.

14.7. Maritime transport in bulk according to IMO instruments

Non-dangerous material according to Transport Regulations.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Observe restrictions:

Comply with national regulations/laws governing the protection of young people at work (national implementation of the Directive 94/33/EC)! Comply with trade association/occupational health regulations.

Directive 2010/75/EU (VOC):

1,904 %

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections:

1-16

These details refer to the product as it is delivered. Employee instruction/training in handling hazardous materials is required.

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Classification in accordance with regulation (EC) No. 1272/2008 (CLP)	Evaluation method used
Skin Irrit. 2, H315	Classification according to calculation procedure.
Skin Sens. 1, H317	Classification according to calculation procedure.
Aquatic Chronic 4, H413	Classification based on test data.

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

H373 May cause damage to organs through prolonged or repeated exposure if swallowed.

H317 May cause an allergic skin reaction.

H302 Harmful if swallowed.



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H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.

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Skin Irrit. — Skin irritation Skin Sens. — Skin sensitization Aquatic Chronic — Hazardous to the aquatic environment - chronic Acute Tox. — Acute toxicity - oral Skin Corr. — Skin corrosion Eye Dam. — Serious eye damage STOT SE — Specific target organ toxicity - single exposure - respiratory tract irritation STOT RE — Specific target organ toxicity - repeated exposure Asp. Tox. — Aspiration hazard Aquatic Acute — Hazardous to the aquatic environment - acute

Key literature references and sources for data:

Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) as amended.

Guidelines for the preparation of safety data sheets as amended (ECHA).

Guidelines on labelling and packaging according to the Regulation (EG) Nr. 1272/2008 (CLP) as amended (ECHA).

Safety data sheets for the constituent substances.

ECHA Homepage - Information about chemicals.

GESTIS Substance Database (Germany).

German Environment Agency "Rigoletto" information site on substances that are hazardous to water (Germany). EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164, (EU) 2019/1831, each as amended.

National Lists of Occupational Exposure Limits for each country as amended.

Regulations on the transport of hazardous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as amended.

Any abbreviations and acronyms used in this document:

according, according to acc., acc. to ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road) AOX Adsorbable organic halogen compounds approx. approximately Article number Art., Art. no. ASTM ASTM International (American Society for Testing and Materials) Acute Toxicity Estimate ATE Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany) BAM BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany) BCF **Bioconcentration factor** The International Bromine Council BSEF body weight bw CAS **Chemical Abstracts Service** CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures) CMR carcinogenic, mutagenic, reproductive toxic DMEL Derived Minimum Effect Level DNEL Derived No Effect Level DOC Dissolved organic carbon dw dry weight e.g. for example (abbreviation of Latin 'exempli gratia'), for instance EbCx, EyCx, EbLx (x = 10, 50) Effect Concentration/Level of x % on reduction of the biomass (algae, plants) EC European Community ECHA European Chemicals Agency ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect EEC European Economic Community



Page 13 of 13 Safety data sheat according to Regulation (EC) No 1907/2006, Annex II Revision data / version: 01.11.2021 / 0021 Walk Internet according to Regulation (EC) No 1907/2006, Annex II Revision data / version: 01.11.2021 Gest Protect EURCS European List of Notified Chemical Substances EURCS European List of Notified Chemical Substances EURCS European Norms EPA United States Environmental Protection Agency (United States of America) ECC, EUX, ETX 14: 10.50 European Norms EPA United States Environmental Protection Agency (United States of America) EVE European Norms EPA United States Environmental Protection Agency (United States of America) EVE European Norms EPA United States Environmental Protection Agency (United States of America) EVE European Union EVE European European European EVE European European European EVE European European European European EVE European European European European EVE European European European European EVE European European European European European European EVE European European European European European European EVE European European European European European European EUCCLD International Martime Code for Dangerous Goods INDE-Code International Martime Code for Dangerous Goods INDE-Code European European European European European EUROPEAN European European European European European EUROPEAN European Eu	-@
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