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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

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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:

Motor oil 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) The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP).

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

EUH210-Safety data sheet available on request.

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



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3.1 Substances

n.a. 3.2 Mixtures

Distillates (petroleum), hydrotreated light paraffinic	
Registration number (REACH)	01-2119487077-29-XXXX
Index	649-468-00-3
EINECS, ELINCS, NLP, REACH-IT List-No.	265-158-7
CAS	64742-55-8
content %	1-<10
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Asp. Tox. 1, H304
Distillates (petroleum), solvent-dewaxed heavy paraffinic	

Distillates (petroleum), solvent-dewaxed neavy paraffinic	
Registration number (REACH)	01-2119471299-27-XXXX
Index	649-474-00-6
EINECS, ELINCS, NLP, REACH-IT List-No.	265-169-7
CAS	64742-65-0
content %	1-<10
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Asp. Tox. 1, H304

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

Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms.

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. Consult doctor immediately.

Danger of aspiration.

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. **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 Foam

Dry extinguisher



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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 Metal oxides Hydrogen sulphide Oxides of sulphur Oxides of phosphorus Oxides of nitrogen Fume Toxic gases

5.3 Advice for firefighters

For personal protective equipment see Section 8. In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. 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.

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 surface and ground-water infiltration, as well as ground penetration. Prevent from entering drainage system.

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, sawdust) and dispose of according to Section 13. Oil binder

Do not wash away with water or watery cleaning agents.

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

Avoid formation of oil mist.

Avoid contact with eyes.

Avoid long lasting or intensive contact with skin.

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

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room. Observe directions on label and instructions for use.

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.



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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

Not to be stored in gangways or stair wells. Store product closed and only in original packing. Protect against moisture and store closed. Do not store over 50°C.

7.3 Specific end use(s)

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No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Chemical Name Oil mist, mineral		
WEL-TWA: 5 mg/m3 (Mineral oil, excluding metal	WEL-STEL:	
working fluids, ACGIH)		
Monitoring procedures: -	Draeger - Oil Mist 1/a (67 33 031)	
BMGV:	Other information:	

Distillates (petroleum), hydrotreated light paraffinic										
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note				
	Environment - oral (animal feed)		PNEC	9,33	mg/kg feed					
Consumer	Human - inhalation	Long term, local effects	DNEL	1,19	mg/m3					
Consumer	Human - oral	Long term, systemic effects	DNEL	0,74	mg/kg bw/day					
Workers / employees	Human - inhalation	Long term, local effects	DNEL	5,6	mg/m3					
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	0,97	mg/kg bw/day					
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	2,7	mg/m3					

Distillates (petroleum), solve	Distillates (petroleum), solvent-dewaxed heavy paraffinic										
Area of application	cation Exposure route / Effect on health Environmental compartment		Descriptor	Value	Unit	Note					
	Environment - oral (animal feed)		PNEC	9,33	mg/kg feed						
Consumer	Human - inhalation	Long term, local effects	DNEL	1,19	mg/m3						
Consumer	Human - oral	Long term, systemic effects	DNEL	0,74	mg/kg bw/d						
Workers / employees	Human - inhalation	Long term, local effects	DNEL	5,58	mg/m3						
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	2,73	mg/m3						
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	0,97	mg/kg bw/d						

Distillates (petroleum), hydrotreated heavy paraffinic										
Area of application	Exposure route / Effect on health Descriptor Value Unit Note									
	Environmental									
	compartment									
	Environment - oral (animal		PNEC	9,33	mg/kg feed					
	feed)									

B WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW =



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"Arbeitsplatzgrenzwert" (workplace limit value, Germany).

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(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 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: Tight fitting protective goggles (EN 166) with side protection, with danger of splashes.

Skin protection - Hand protection: Protective gloves, oil resistant (EN ISO 374). If applicable Protective nitrile gloves (EN ISO 374). Minimum layer thickness in mm: 0,5 Permeation time (penetration time) in minutes: 480 Protective hand cream recommended. The breaktbrough times determined in accordance with I

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.

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 A2 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.



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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 properties

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: Kinematic viscosity: Solubility: Partition coefficient n-octanol/water (log value): Vapour pressure: Density and/or relative density: Relative vapour density: Particle characteristics:

Liquid Brown Characteristic There is no information available on this parameter. 230 °C There is no information available on this parameter. There is no information available on this parameter. Mixture is non-soluble (in water). 95,0 mm2/s (40°C) 14,5 mm2/s (100°C) Insoluble Does not apply to mixtures. There is no information available on this parameter. 0,860 g/cm3 There is no information available on this parameter.

9.2 Other information

No information available at present.

SECTION 10: Stability and reactivity

Does not apply to liquids.

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.

Open flame, ignition sources

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). Optimal 10W-40

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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.



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Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):						n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):						n.d.a.
Aspiration hazard:						n.d.a. n.d.a.
Symptoms:						n.u.a.
Distillates (petroleum), hydrotro	eated light pa	raffinic				
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 401 (Acute Oral	Analogous
		. 5000		Dahhit	Toxicity)	conclusion
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit	OECD 402 (Acute Dermal Toxicity)	Analogous conclusion
Acute toxicity, by inhalation:	LC50	>5,53	mg/l/4h	Rat	OECD 403 (Acute	Aerosol,
rioute texicity, by initialation.	2000	20,00	ing/// in	Rut	Inhalation Toxicity)	Analogous conclusion
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute	Not irritant,
					Dermal	Analogous
					Irritation/Corrosion)	conclusion
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye	Not irritant,
					Irritation/Corrosion)	Analogous conclusion
Respiratory or skin				Guinea pig	OECD 406 (Skin	No (skin
sensitisation:					Sensitisation)	contact),
						Analogous conclusion
Germ cell mutagenicity:				Salmonella	OECD 471 (Bacterial	Negative,
				typhimurium	Reverse Mutation Test)	Analogous conclusion
Germ cell mutagenicity:				Mammalian	OECD 473 (In Vitro	Negative,
					Mammalian	Analogous
					Chromosome	conclusionChines
Reproductive toxicity				Rat	Aberration Test) OECD 414 (Prenatal	e hamster Negative,
(Developmental toxicity):					Developmental Toxicity	Analogous
()					Study)	conclusion
Carcinogenicity:				Mouse	OECD 451	Negative,
					(Carcinogenicity Studies)	Analogous conclusionderma
Reproductive toxicity:	NOAEL	1000	mg/kg	Rat	OECD 421	Analogous
			bw/d		(Reproduction/Developm	conclusionderma
					ental Toxicity Screening Test)	
Aspiration hazard:					,	Yes
Specific target organ toxicity -	NOAEL	125	mg/kg	Rat	OECD 408 (Repeated	Analogous
repeated exposure (STOT-RE), oral:			bw/d		Dose 90-Day Oral Toxicity Study in	conclusion
Specific target organ toxicity -	NOAEL	<30	mg/kg	Rat	Rodents) OECD 411 (Subchronic	Analogous
repeated exposure (STOT-RE), dermal:	NONEL	~~~	bw/d		Dermal Toxicity - 90-day Study)	conclusion
Specific target organ toxicity -	NOAEL	1000	mg/kg	Rabbit	OECD 410 (Repeated	Analogous
repeated exposure (STOT-RE), dermal:					Dose Dermal Toxicity - 90-Day)	conclusion
Specific target organ toxicity -	NOAEL	0,05	mg/l	Rat	OECD 412 (Subacute	Aerosol,
repeated exposure (STOT-RE),		0,00			Inhalation Toxicity - 28-	Analogous



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Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAEL	0,15	mg/l	Rat		Aerosol, Analogous conclusion13 weeks
Distillates (petroleum), solvent-	-dewaxed hea	vy paraffinic				
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LD50	>5,53	mg/l/4h	Rat	OECD 403 (Acute Inhalation Toxicity)	Aerosol
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant, Analogous conclusion
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Not irritant, Analogous conclusion
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	No (skin contact), Analogous conclusion
Germ cell mutagenicity:				Mouse	OECD 474 (Mammalian Erythrocyte Micronucleus Test)	Negative, Analogous conclusion
Germ cell mutagenicity:				Mammalian	OECD 473 (In Vitro Mammalian Chromosome Aberration Test)	Negative, Analogous conclusion Chinese hamster
Germ cell mutagenicity:				Salmonella typhimurium	OECD 471 (Bacterial Reverse Mutation Test)	Negative, Analogous conclusion
Germ cell mutagenicity:				Mouse	OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative, Analogous conclusion
Carcinogenicity:				Mouse	OECD 451 (Carcinogenicity Studies)	Negative, Analogous conclusion 78 weeks, dermal
Reproductive toxicity (Developmental toxicity):				Rat	OECD 414 (Prenatal Developmental Toxicity Study)	Negative, Analogous conclusion dermal
Carcinogenicity:				Mouse		Female, Negative
Reproductive toxicity: Reproductive toxicity (Effects on fertility):				Rat Rat	OECD 421 (Reproduction/Developm ental Toxicity Screening Test)	Negative Negative, Analogous conclusion oral, dermal
Specific target organ toxicity - repeated exposure (STOT-RE), dermal:	NOAEL	~1000	mg/kg bw/d	Rabbit	OECD 410 (Repeated Dose Dermal Toxicity - 90-Day)	Analogous conclusion
Aspiration hazard: Symptoms:						Yes mucous membrane irritation, dizziness, nausea
Specific target organ toxicity - repeated exposure (STOT-RE), dermal:	NOAEL	30	mg/kg/d	Rat	OECD 411 (Subchronic Dermal Toxicity - 90-day Study)	Analogous conclusion



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Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAEL	0,22	mg/l	Rat	Aerosol, Analogous conclusion 4 weeks
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAEL	0,15	mg/l	Rat	Aerosol, Analogous conclusion 13 weeks

11.2. Information on other hazards

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Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Endocrine disrupting properties:						Does not apply to mixtures.
Other information:						No other relevant information available on adverse effects on health.

SECTION 12: Ecological information

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

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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							Isolate as much
degradability:							as possible with
							an oil separator.
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:							DOC-elimination
							degree(complexi
							ng organic
							substance)>=
							80%/28d: No
Other information:	AOX			%			According to the
							recipe, contains
							no AOX.

Distillates (petroleum), hydrotreated light paraffinic								
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes	
12.1. Toxicity to fish:	NOEC/NOEL	28d	>1000	mg/l	Oncorhynchus mykiss	QSAR		
12.1. Toxicity to fish:	LL50	96h	>100	mg/l	Pimephales promelas	OECD 203 (Fish, Acute Toxicity Test)	Analogous conclusion	
12.1. Toxicity to fish:	NOEC/NOEL	14d	1000	mg/l	Oncorhynchus mykiss	QSÁR		



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12.1. Toxicity to daphnia:	NOEC/NOEL	21d	10	mg/l	Daphnia magna	OECD 211	Analogous
						(Daphnia magna	conclusion
	F 1 F 0	4.01	40000			Reproduction Test)	
12.1. Toxicity to daphnia:	EL50	48h	> 10000	mg/l	Daphnia magna	OECD 202	Analogous
						(Daphnia sp.	conclusion
						Acute	
						Immobilisation	
						Test)	
12.1. Toxicity to algae:	NOEC/NOEL	72h	>=100	mg/l	Pseudokirchneriell	OECD 201 (Alga,	Analogous
					a subcapitata	Growth Inhibition	conclusion
						Test)	
12.1. Toxicity to algae:	EC50	72h	>100	mg/l	Pseudokirchneriell	OECD 201 (Alga,	Analogous
					a subcapitata	Growth Inhibition	conclusion
						Test)	
12.2. Persistence and		28d	31	%	activated sludge	OECD 301 F	Not readily
degradability:						(Ready	biodegradable,
						Biodegradability -	Analogous
						Manometric	conclusion
						Respirometry Test)	
12.3. Bioaccumulative	Log Pow		>6				@20°C
potential:							
12.3. Bioaccumulative							Not to be
potential:							expected
12.5. Results of PBT							No PBT
and vPvB assessment							substance, No
							vPvB substance

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	>1000	mg/l	Salmo gairdneri		
12.1. Toxicity to fish:	LC50	96h	>5000	mg/l	Oncorhynchus	OECD 203 (Fish,	
					mykiss	Acute Toxicity	
						Test)	
12.1. Toxicity to fish:	NOEC/NOEL	21d	1000	mg/l	Oncorhynchus	QSAR	
					mykiss		
12.1. Toxicity to fish:	LC50	96h	>100	mg/l	Pimephales	OECD 203 (Fish,	Analogous
					promelas	Acute Toxicity	conclusion
						Test)	
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	10	mg/l	Daphnia magna	OECD 211	Analogous
						(Daphnia magna	conclusion
						Reproduction Test)	
12.1. Toxicity to daphnia:	EC50	48h	>1000	mg/l	Daphnia magna	OECD 202	Analogous
						(Daphnia sp.	conclusion
						Acute	
						Immobilisation	
						Test)	
12.1. Toxicity to algae:	EC50	96h	>1000	mg/l	Scenedesmus		
					subspicatus		
12.2. Persistence and		28d	6	%		OECD 301 B	Analogous
degradability:						(Ready	conclusion
						Biodegradability -	
						Co2 Evolution	
						Test)	
12.2. Persistence and degradability:		28d	31	%	activated sludge	OECD 301 F	Not readily
						(Ready	biodegradable
						Biodegradability -	(Analogous
						Manometric	conclusion)
						Respirometry Test)	
12.3. Bioaccumulative	Log Pow		>3				Low
potential:							
12.5. Results of PBT							No PBT
and vPvB assessment							substance, No
							vPvB substanc



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Toxicity to bacteria:	EC20	6h	>1000	mg/l	Pseudomonas fluorescens		
							1
		SECTI	ON 13: D	isposal	considerations	i	
EC disposal code no.: The waste codes are re Owing to the user's special located under certain of 13 02 05 mineral-based Recommendation: Sewage disposal shall b Pay attention to local an E.g. dispose at suitable E.g. suitable incineration Observe regulations for For contaminate Pay attention to local an Empty container comple	ce / mixture paper or other cific conditions circumstances. non-chlorinated d national offici refuse site. n plant. disposal of old d packing d national offici tely.	e / residua organic mater is based on the for use and di (2014/955/EU d engine, gea ial regulations oil/waste. material ial regulations	rials represent le scheduled (isposal, other J) r and lubricati	t a fire haza use of this p waste code		lled, collectec	l and disposed of.
Uncontaminated packag Dispose of packaging th		eaned in the			tance.		
	-						
General stateme Transport by roa		ADR/RID)					
14.1. UN number or ID r 14.2. UN proper shippin Not applicable	number: g name:	,		Not	applicable		
14.3. Transport hazard of 14.4. Packing group:	class(es):				applicable applicable		
14.5. Environmental haz	zards:				applicable		
Tunnel restriction code:				Not	applicable		
Classification code:					applicable		
_Q: Frances and actions of the					applicable		
Fransport category:		da)		NOt	applicable		
Transport by sea 14.1. UN number or ID r 14.2. UN proper shippin Not applicable	number:	ue)		Not	applicable		
14.3. Transport hazard (class(es):			Not	applicable		
14.4. Packing group:					applicable		
14.5. Environmental haz	zards:			Not	applicable		
Marine Pollutant:					applicable		
EmS: Franciscost by air				INOT	applicable		
Fransport by air 4.1. UN number or ID r 4.2. UN proper shippin Not applicable	number: g name:				applicable		
14.3. Transport hazard (14.4. Packing group: 14.5. Environmental haz				Not	applicable applicable applicable		
		or user		NOL			



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SECTION 15: Regulatory information

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

Observe restrictions:

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General hygiene measures for the handling of chemicals are applicable. Regulation (EU) No 649/2012 'concerning the export and import of hazardous chemicals' must be adhered to, as the product contains a substance that falls within the scope of this Regulation.

Directive 2010/75/EU (VOC):

1 %

National requirements/regulations on safety and health protection must be applied when using work equipment.

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections:

3, 4, 8, 9, 11, 12 ,15

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

Not applicable

bw

body weight

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).

H304 May be fatal if swallowed and enters airways.

Asp. Tox. — Aspiration hazard

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 Art., Art. no. Article number ASTM ASTM International (American Society for Testing and Materials) Acute Toxicity Estimate ATE BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany) BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany) BCF **Bioconcentration factor** BSEF The International Bromine Council



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TOC Total organic carbon

GB

UN RTDG United Nations Recommendations on the Transport of Dangerous Goods

VOC Volatile organic compounds

vPvB very persistent and very bioaccumulative wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge. No responsibility.

These statements were made by: Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90

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