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

Revised on / Version: 22.10.2012 / 0007

Replaces revision of / Version: 15.02.2012 / 0006

Valid from: 22.10.2012 PDF print date: 05.12.2012

Schleif- und Polierpaste 300 g Art.: 1556

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

1.1 Product identifier

Schleif- und Polierpaste 300 g

Art.: 1556

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

Abrasive paste

Sector of use [SU]:

SU 3 - Industrial uses: Uses of substances as such or in preparations at industrial sites

SU21 - Consumer uses: Private households (=general public = consumers)

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Chemical product category [PC]:

PC31 - Polishes and wax blends

Process category [PROC]:

PROC 8a - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities

PROC 8b - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities

PROC 9 - Transfer of substance or preparation into small containers (dedicated filling line, including weighing)

PROC10 - Roller application or brushing

PROC19 - Hand-mixing with intimate contact and only PPE available

Article Categories [AC]:

AC99 - Not required.

Environmental Release Category [ERC]:

ERC 4 - Industrial use of processing aids in processes and products, not becoming part of articles

ERC 7 - Industrial use of substances in closed systems

ERC 8a - Wide dispersive indoor use of processing aids in open systems

ERC 8d - Wide dispersive outdoor use of processing aids in open systems

Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet

LIQUI MOLY GmbH, Jerg-Wieland-Straße 4, D-89081 Ulm-Lehr

Telephone (+49) 0731-1420-0, Fax (+49) 0731-1420-88

E-mail address of the competent person: info@chemical-check.de, k.schnurbusch@chemical-check.de

1.4 Emergency telephone

Emergency information services / official advisory body:

Telephone number of the company in case of emergencies:

Tel.: (+49) 0731-1420-0

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 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).

2.1.2 Classification according to Directives 67/548/EEC and 1999/45/EC (including amendments)

The mixture is not classified as dangerous in the terms of the directive 1999/45/EC.



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2.2 Label elements

2.2.1 Labeling according to Regulation (EC) 1272/2008 (CLP)

Not applicable

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.

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

REGULATION (EC) No 648/2004

5 % or over but less than 15 % aliphatic hydrocarbons less than 5 % non-ionic surfactants

BENZISOTHIAZOLINONE **METHYLISOTHIAZOLINONE**

SECTION 3: Composition/information on ingredients

3.1 Substance

n.a. 3.2 Mixture

-	
Registration number (REACH)	
Index	-
EINECS, ELINCS, NLP	-
CAS	-
content %	
Classification according to Directive 67/548/EEC	
Classification according to Regulation (EC) 1272/2008 (CLP)	

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation

Remove person from danger area.

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

Wash thoroughly using copious water - remove contaminated clothing immediately.

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.

Consult doctor immediately - keep Data Sheet available.

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

n.c.

SECTION 5: Firefighting measures



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5.1 Extinguishing media Suitable extinguishing media

CO₂

Extinction powder Water jet spray Large fire:

Water jet spray / alcohol resistant foam

Unsuitable extinguishing media

n.c.

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of carbon Oxides of nitrogen

Toxic gases

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

No special measures required.

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.

6.3 Methods and material for containment and cleaning up

Pick up mechanically 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

Avoid contact with eyes.

Avoid long lasting or intensive contact with skin.

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.

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

Store product closed and only in original packing.

Not to be stored in gangways or stair wells.

Store in a dry place.

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection



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8.1 Control parameters

	Aluminium oxide				Content %:
WEL-TWA: 10 mg/m3 (total inhal.	dust), 4 mg/m3	WEL-STEL:			
(resp. dust) (aluminium oxides)					
BMGV:				Other information:	
○ Chemical Name	Oil mist, mineral				Content %:
WEL-TWA: 5 mg/m3 (ACGIH)		WEL-STEL:	10 mg/m3 (ACGIF	1)	
BMGV:				Other information:	
	Glycerine				Content %:
WEL-TWA: 10 mg/m3 (mist)		WEL-STEL:			
BMGV:				Other information:	

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | 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.

Aluminium oxide Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Consumer	Human - oral	Long term	DNEL	6,22	mg/kg bw/day	
Industrial	Human - inhalation	Long term	DNEL	3	mg/m3	
Commercial	Human - inhalation	Long term	DNEL	3	mg/m3	
	Environment - sewage treatment plant		PNEC	20	mg/l	

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.

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:

With danger of contact with eyes.

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

Skin protection - Hand protection:

Normally not necessary.

Protective hand cream recommended.

Skin protection - Other:

Usual protective working garments

Respiratory protection:

Normally not necessary.

Thermal hazards:

Not applicable



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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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Pastelike, Liquid Colour: White Characteristic Odour: Odour threshold: Not determined pH-value: Not determined Not determined

Melting point/freezing point: Initial boiling point and boiling range: Not determined Flash point: >65 °C Not determined Evaporation rate: Flammability (solid, gas): Not determined

Lower explosive limit: n.a. Upper explosive limit: Vapour pressure: Not determined Vapour density (air = 1): Not determined

Density: ~1 g/ml (20°C, ISO 787-10) n.a.

Bulk density:

Solubility(ies): Not determined Water solubility: Mixable Partition coefficient (n-octanol/water): Not determined Auto-ignition temperature: Not determined Decomposition temperature: Not determined

10000-15000 cP (20°C) Viscosity:

Explosive properties: n.a. Oxidising properties: Nο

9.2 Other information

Miscibility: Not determined Fat solubility / solvent: Not determined Conductivity: Not determined Surface tension: Not determined Solvents content: Not determined

SECTION 10: Stability and reactivity

10.1 Reactivity

Not to be expected

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.

None known

10.5 Incompatible materials

See also section 7.

None known



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10.6 Hazardous decomposition products

See also section 5.2

No decomposition when used as directed.

SECTION 11: Toxicological information

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

Schleif- und Polierpaste 300 g Art.: 1556 Endpoin Value Unit Test method Notes Toxicity/effect Organism t Acute toxicity, by oral route: n.d.a. Acute toxicity, by dermal route: Acute toxicity, by inhalation: n.d.a. 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. Carcinogenicity: n.d.a. Reproductive toxicity: n.d.a. Specific target organ toxicity n.d.a. single exposure (STOT-SE): Specific target organ toxicity n.d.a. repeated exposure (STOT-RE): Aspiration hazard: n.d.a. Respiratory tract irritation: n.d.a. Repeated dose toxicity: n.d.a. Symptoms: n.d.a. Other information: Classification according to calculation procedure.

Aluminium oxide										
Toxicity/effect	Endpoin	Value	Unit	Organism	Test method	Notes				
	t									
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 401 (Acute Oral					
					Toxicity)					
Acute toxicity, by inhalation:	LC50	7,6	mg/l/1h	Rat	OECD 403 (Acute	Aerosol				
					Inhalation Toxicity)					
Skin corrosion/irritation:				Rabbit		Not irritant				
Serious eye damage/irritation:				Rabbit		Not irritant				
Respiratory or skin				Guinea pig		Not sensitizising				
sensitisation:										
Symptoms:						constipation				

Glycerine									
Toxicity/effect	Endpoin	Value	Unit	Organism	Test method	Notes			
	t								
Acute toxicity, by oral route:	LD50	>12600	mg/kg	Rat					
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	IUCLID Chem. Data				
• • •					Sheet (ESIS)				
Acute toxicity, by dermal route:	LD50	>18700	mg/kg	Rabbit					
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit	IUCLID Chem. Data				
					Sheet (ESIS)				
Skin corrosion/irritation:				Rabbit	IUCLID Chem. Data	Not irritant			
					Sheet (ESIS)				
Skin corrosion/irritation:					OECD 404 (Acute	Not irritant			
					Dermal				
					Irritation/Corrosion)				
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye	Not irritant			
					Irritation/Corrosion)				
Serious eye damage/irritation:					OECD 405 (Acute Eye	Not irritant			
					Irritation/Corrosion)				



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Respiratory or skin				Guinea pig		Not sensitizising
sensitisation:						
Germ cell mutagenicity:					OECD 471 (Bacterial	Negative
					Reverse Mutation Test)	
Reproductive toxicity:	NOAEL	2000	mg/kg/d			Negative
Specific target organ toxicity -	NOAEL	10,0	mg/kg/d			2a
repeated exposure (STOT-RE):						
Specific target organ toxicity -	NOAEL	3,91	mg/l	Rat		14d
repeated exposure (STOT-RE):						
Aspiration hazard:						Negative
Symptoms:						abdominal pain,
						dizziness, diarrhoea,
						vomiting, headaches,
						mucous membrane
						irritation

SECTION 12: Ecological information

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

Schleif- und Polierpast Art.: 1556	•						
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:							n.d.a.
Toxicity to daphnia:							n.d.a.
Toxicity to algae:							n.d.a.
Persistence and							The surfactant(s)
degradability:							contained in this mixture
							complies(comply) with the
							biodegradability criteria
							as laid down in
							Regulation (EC)
							No.648/2004 on
							detergents., Data to
							support this assertion are
							held at the disposal of the
							competent authorities of
							the Member States and
							will be made available to
							them, at their direct
							request or at the request
							of a detergent
							manufacturer.
Bioaccumulative							n.d.a.
potential:							
Mobility in soil:							n.d.a.
Results of PBT and							n.d.a.
vPvB assessment:							
Other adverse effects:							n.d.a.
Other information:							According to the recipe,
							contains no AOX.

Aluminium oxide										
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes			
Toxicity to fish:	LC50	96h	218,6	mg/l	Pimephales promelas					
Toxicity to daphnia:	EC50		>100	mg/l	Daphnia magna					
Toxicity to algae:	EC50		>100	mg/l	Selenastrum capricornutum					
Results of PBT and vPvB assessment:							No PBT substance			

Glycerine							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes



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Toxicity to fish:	LC50	96h	> 5000	mg/l	Carassius auratus		
Toxicity to fish:	LC50	96h	>1000	mg/l	Leuciscus idus		
Toxicity to fish:	LC50	24h	>5000	mg/l	Carassius auratus		References
Toxicity to daphnia:	EC50	24h	>1000 0	mg/l	Daphnia magna	IUCLID Chem. Data Sheet (ESIS)	
Toxicity to daphnia:	EC5	72h	3200	mg/l			References
Toxicity to algae:	IC5	7d	>1000 0	mg/l	Scenedesmus quadricauda		
Toxicity to algae:	IC5	7d	>1000 0	mg/l	Selenastrum capricornutum		References
Persistence and degradability:		14d	63	%		OECD 301 C (Ready Biodegradability - Modified MITI Test (I))	
Bioaccumulative potential:	Log Pow		-2,66			(//	
Results of PBT and vPvB assessment:							n.a.
Toxicity to bacteria:	EC5	16h	> 10000	mg/l	Pseudomonas putida		
Other information:	COD		1,16	g/g	'		
Other information:	BOD5		0,87	g/g			

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

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. (2001/118/EC, 2001/119/EC, 2001/573/EC)

16 03 06 organic wastes other than those mentioned in 16 03 05

Recommendation:

Pay attention to local and national official regulations

E.g. dispose at suitable refuse site.

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

UN number: n.a.

Transport by road/by rail (ADR/RID)

UN proper shipping name:

Transport hazard class(es): n.a. Packing group: n.a. Classification code: n.a. LQ (ADR 2011): n.a. LQ (ADR 2009): n.a.

Environmental hazards:

Not applicable Tunnel restriction code:

Transport by sea (IMDG-code)

UN proper shipping name:



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Transport hazard class(es):

Packing group:

n.a.

Marine Pollutant:

n.a

Environmental hazards: Not applicable

Transport by air (IATA)

UN proper shipping name:

Transport hazard class(es):

Packing group:

n.a.

n.a.

Environmental hazards: Not applicable

Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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

For classification and labelling see Section 2.

Observe restrictions:

VOC (1999/13/EC):

n.a.

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

These details refer to the product as it is delivered.

Revised sections:

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

Not applicable

Any abbreviations and acronyms used in this document:

AC Article Categories

acc., acc. to according, according to

ACGIH American Conference of Governmental Industrial Hygienists

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the

International Carriage of Dangerous Goods by Road) AOEL Acceptable Operator Exposure Level

AOX Adsorbable organic halogen compounds

approx. approximately

Art., Art. no. Article number

ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)

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

BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)

BHT Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol) BMGV Biological monitoring guidance value (EH40, UK)

BOD Biochemical oxygen demand

BSEF Bromine Science and Environmental Forum

bw body weight

CAS Chemical Abstracts Service

CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques

CIPAC Collaborative International Pesticides Analytical Council



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Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances

and mixtures)

CMR carcinogenic, mutagenic, reproductive toxic

COD Chemical oxygen demand

CTFA Cosmetic, Toiletry, and Fragrance Association

DMEL Derived Minimum Effect Level DNEL Derived No Effect Level Dissolved organic carbon DOC

DT50 Dwell Time - 50% reduction of start concentration

DVS Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)

dw dry weight

e.g. for example (abbreviation of Latin 'exempli gratia'), for instance

EC **European Community** ECHA European Chemicals Agency European Economic Area EEA **EEC** European Economic Community

EINECS European Inventory of Existing Commercial Chemical Substances

European List of Notified Chemical Substances **ELINCS**

ΕN European Norms

EPA United States Environmental Protection Agency (United States of America)

ERC Environmental Release Categories

ES Exposure scenario

et cetera etc. **European Union** FU

EWC European Waste Catalogue

Fax. Fax number gen.

ĞHS Globally Harmonized System of Classification and Labelling of Chemicals

GWP Global warming potential

Hen's Egg Test - Chorionallantoic Membrane **HET-CAM**

HGWP Halocarbon Global Warming Potential IARC International Agency for Research on Cancer International Air Transport Association IATA

IBC Intermediate Bulk Container

IBC (Code) International Bulk Chemical (Code) Inhibitory concentration IC

IMDG-code

International Maritime Code for Dangerous Goods including, inclusive incl.

IUCLID International Uniform Chemical Information Database

LC lethal concentration

LC50 lethal concentration 50 percent kill LCLo lowest published lethal concentration Lethal Dose of a chemical LD

LD50 Lethal Dose, 50% kill LDLo Lethal Dose Low

LOAEL Lowest Observed Adverse Effect Level LOEC Lowest Observed Effect Concentration LOEL Lowest Observed Effect Level

Limited Quantities LQ

MARPOL International Convention for the Prevention of Marine Pollution from Ships

n.a. not applicable not available n.av. n.c. not checked no data available n.d.a.

NIOSH National Institute of Occupational Safety and Health (United States of America)

NOAECNo Observed Adverse Effective Concentration

NOAEL No Observed Adverse Effect Level NOEC No Observed Effect Concentration NOEL No Observed Effect Level Ozone Depletion Potential ODP

OECD Organisation for Economic Co-operation and Development

org. organic

polycyclic aromatic hydrocarbon PAH **PBT** persistent, bioaccumulative and toxic



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PC Chemical product category

PE Polyethylene

PNEC Predicted No Effect Concentration POCP Photochemical ozone creation potential

ppm parts per million
PROC Process category
PTFE Polytetrafluorethylene

REACHRegistration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration,

Evaluation, Authorisation and Restriction of Chemicals)

REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List

Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.

RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International

Carriage of Dangerous Goods by Rail)

SADT Self-Accelerating Decomposition Temperature

SAR Structure Activity Relationship

SU Sector of use

SVHC Substances of Very High Concern

Tel. Telephone

ThOD Theoretical oxygen demand

TOC Total organic carbon

TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)

VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))

VOC Volatile organic compounds

vPvB very persistent and very bioaccumulative

WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average)

reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).

WHO World Health Organization

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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