

Page 1 of 12 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 19.10.2017 / 0014 Replacing version dated / version: 21.08.2015 / 0013 Valid from: 19.10.2017 PDF print date: 19.10.2017 Top Tec ATF 1200 1 L Art.: 3681

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:

Automatic transmission oil

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]: PC17 - Hydraulic fluids PC24 - Lubricants, greases, release products Process category [PROC]: PROC 1 - Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. PROC 2 - Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions PROC 8a - Transfer of substance or mixture (charging and discharging) at non-dedicated facilities PROC 8b - Transfer of substance or mixture (charging and discharging) at dedicated facilities PROC 9 - Transfer of substance or mixture into small containers (dedicated filling line, including weighing) PROC20 - Use of functional fluids in small devices Article Categories [AC]: AC99 - Not required. Environmental Release Category [ERC]: ERC 4 - Use of non-reactive processing aid at industrial site (no inclusion into or onto article) ERC 7 - Use of functional fluid at industrial site ERC 9a - Widespread use of functional fluid (indoor) ERC 9b - Widespread use of functional fluid (outdoor) Uses advised against: No information available at present. 1.3 Details of the supplier of the safety data sheet

GR)

LIQUI MOLY GmbH, Jerg-Wieland-Str. 4, 89081 Ulm-Lehr, Germany Phone:(+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)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture



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Classification according to Regulation (EC) 1272/2008 (CLP) Hazard class Hazard category Hazard stateme

Aquatic Chronic 3

Hazard statement H412-Harmful to aquatic life with long lasting effects.

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

H412-Harmful to aquatic life with long lasting effects.

P273-Avoid release to the environment. P501-Dispose of contents / container to special waste collection point.

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 %).

Product can compose a film on the water surface, which can prevent oxygen exchange.

Hydrocarbons can be harmful to water.

Hazardous to drinking water, on escape of even small quantities.

SECTION 3: Composition/information on ingredients

3.1 Substance

n.a. 3.2 Mixture

Alkyl phosphites	
Registration number (REACH)	01-0000017126-75-XXXX
Index	
EINECS, ELINCS, NLP	424-820-7
CAS	
content %	0,1-<1
Classification according to Regulation (EC) 1272/2008 (CLP)	Acute Tox. 4, H312 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10) Skin Corr. 1B, H314 Eye Dam. 1, H318
4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate	
Registration number (REACH)	
Index	
EINECS, ELINCS, NLP	299-434-3
CAS	93882-40-7
content %	0,01-<0,1
Classification according to Regulation (EC) 1272/2008 (CLP)	Skin Sens. 1, H317 Eye Irrit. 2, H319 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)

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.



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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 - give copious water to drink. Consult doctor immediately.

Danger of aspiration

In case of vomiting, keep head low so that the stomach content does not reach the lungs.

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. Irritation of the eyes With long-term contact: Drying of the skin. Dermatitis (skin inflammation) Oil acne Allergic reaction possible. On vapour formation: Irritation of the respiratory tract Ingestion: Nausea Vomiting Gastrointestinal disturbances 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 sulphur Toxic gases Oxides of nitrogen Flammable vapour/air mixtures **5.3 Advice for firefighters**

In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply.



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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

Ensure sufficient supply of air. Avoid contact with eyes or skin. If applicable, caution - risk of slipping.

6.2 Environmental precautions

If leakage occurs, dam up.

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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. 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

Ensure good ventilation.

Avoid inhalation of the vapours. 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.

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. Impermeable floor.

Store in a well ventilated place.

Protect from direct sunlight and warming.

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Chemical Name

Oil mist, mineral

Content %:



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WEL-TWA: 5 mg/m3 (ACGIH)	WEL-STEL: 10 mg/m3 (ACGIH)	
Monitoring procedures:	 Draeger - Oil 10/a-P (67 28 371) 	
	- Draeger - Oil Mist 1/a (67 33 031)	
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).

(8) = Inhalable fraction (2017/164/EU). (9) = Respirable fraction (2017/164/EU). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period).

(8) = Inhalable fraction (2017/164/EU). (9) = Respirable fraction (2017/164/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.

Alkyl phosphites								
Area of application	Exposure route /	Effect on health	Descriptor	Value	Unit	Note		
	Environmental							
	compartment							
	Environment - freshwater		PNEC	0,036	mg/l			
	Environment - sediment,		PNEC	0,128	mg/kg			
	freshwater							
	Environment - soil		PNEC	0,104	mg/kg			

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. BS EN 14042.

BS 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 with side protection (EN 166).

Skin protection - Hand protection: Protective gloves, oil resistant (EN 374) If applicable Protective Neoprene® / polychloroprene gloves (EN 374). Protective nitrile gloves (EN 374) Minimum layer thickness in mm: 0,4 Permeation time (penetration time) in minutes: > 480 The breakthrough times determined in accordance with EN 374 Part 3 were not obtained under practical conditions. The recommended maximum wearing time is 50% of breakthrough time. Protective PVC gloves (EN 374) Protective hand cream recommended.

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



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Respiratory protection: Normally not necessary. With oil mist formation: Filter A2 P2 (EN 14387), code colour brown, white Observe wearing time limitations for respiratory protection equipment.

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:	Liquid			
Colour:	Red, Brown			
Odour:	Characteristic			
Odour threshold:	Not determined			
pH-value:	n.a.			
Melting point/freezing point:	Not determined			
Initial boiling point and boiling range:	Not determined			
Flash point:	218 °C			
Evaporation rate:	Not determined			
Flammability (solid, gas):	Not determined			
Lower explosive limit:	Not determined			
Upper explosive limit:	Not determined			
Vapour pressure:	Not determined			
Vapour density (air = 1):	Vapours heavier than air			
Density:	0,848 g/ml			
Bulk density:	n.a.			
Solubility(ies):	Not determined			
Water solubility:	Insoluble			
Partition coefficient (n-octanol/water):	Not determined			
Auto-ignition temperature:	Not determined			
Decomposition temperature:	Not determined			
Viscosity:	36,9 mm2/s (40°C)			
Viscosity:	7 mm2/s (100°C)			
Explosive properties:	Product is not explosive.			
Oxidising properties:	No			
9.2 Other information				
Miscibility:	Not determined			

Fat solubility / solvent: Conductivity: Surface tension: Solvents content:

Not determined Not determined Not determined Not determined

SECTION 10: Stability and reactivity

10.1 Reactivity The product has not been tested. **10.2 Chemical stability**



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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

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10.5 Incompatible materials

See also section 7. Avoid contact with strong oxidizing agents.

Avoid contact with strong acids.

10.6 Hazardous decomposition products

See also section 5.2

No decomposition when used as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

Foxicity / 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.
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.
Symptoms:						n.d.a.
Other information:						Classification
						according to
						calculation
						procedure.

Alkyl phosphites							
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes	
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat			
Acute toxicity, by dermal route:	LD50	>500	mg/kg	Rabbit			

SECTION 12: Ecological information

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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.



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12.2. Persistence and degradability:	Not readily but inherent
	biodegradable.
	Isolate as much
	as possible with
	an oil separator.
12.3. Bioaccumulative	Concentration in
potential:	organisms
	possible.
12.4. Mobility in soil:	n.d.a.
12.5. Results of PBT	n.d.a.
and vPvB assessment	
12.6. Other adverse	n.d.a.
effects:	
Other information:	According to the
	recipe, contains
	no AOX.

Alkyl phosphites							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	1,5	mg/l	Oncorhynchus mykiss		
12.1. Toxicity to daphnia:	EL50	48h	0,09	mg/l	Daphnia magna		
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	0,14	mg/l	Daphnia magna		
12.1. Toxicity to algae:	EL50	72h	0,31	mg/l	Pseudokirchneriell a subcapitata		
12.2. Persistence and degradability:		28d	2,34	%			
12.3. Bioaccumulative potential:	Log Pow		0,28				
Water solubility:			0,71	mg/l			

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:

Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name:

n.a.



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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 transport must be followed.	
14.7. Transport in bulk according to Annex II of MARPOL 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 subs	stance or mixture
Observe restrictions: Comply with trade association/occupational health regulations.	
Directive 2010/75/EU (VOC): < 0,3 %	

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections: 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
Aquatic Chronic 3, H412	Classification according to calculation procedure.

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).

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Aquatic Chronic — Hazardous to the aquatic environment - chronic

3, 4, 8, 11, 12, 15



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Acute Tox. — Acute toxicity - dermal Aquatic Acute — Hazardous to the aquatic environment - acute Skin Corr. — Skin corrosion Eye Dam. — Serious eye damage Skin Sens. — Skin sensitization Eye Irrit. — Eye irritation

Any abbreviations and acronyms used in this document:

Article Categories AC 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 Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP) 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** 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 body weight bw CAS **Chemical Abstracts Service** Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids CEC CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques CIPAC Collaborative International Pesticides Analytical Council CLP 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 DOC Dissolved organic carbon DT50 Dwell Time - 50% reduction of start concentration Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes) DVS dry weight dw for example (abbreviation of Latin 'exempli gratia'), for instance e.g. ЕČ European Community ECHA European Chemicals Agency European Economic Area EEA EEC European Economic Community EINECS European Inventory of Existing Commercial Chemical Substances ELINCS European List of Notified Chemical Substances ΕN **European Norms** EPA United States Environmental Protection Agency (United States of America) **Environmental Release Categories** FRC ES Exposure scenario et cetera etc. EU **European Union** EWC European Waste Catalogue Fax. Fax number gen. general Globally Harmonized System of Classification and Labelling of Chemicals GHS GWP Global warming potential HET-CAM Hen's Egg Test - Chorionallantoic Membrane



ആ Page 11 of 12 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 19.10.2017 / 0014 Replacing version dated / version: 21.08.2015 / 0013 Valid from: 19.10.2017 PDF print date: 19.10.2017 Top Tec ATF 1200 1 L Art.: 3681 HGWP Halocarbon Global Warming Potential IARC International Agency for Research on Cancer International Air Transport Association ΙΑΤΑ IBC Intermediate Bulk Container IBC (Code) International Bulk Chemical (Code) IC Inhibitory concentration IMDG-code International Maritime Code for Dangerous Goods including, inclusive incl. IUCLID International Uniform ChemicaL Information Database lethal concentration LC LC50 lethal concentration 50 percent kill LCLo lowest published lethal concentration Lethal Dose of a chemical ID 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 not applicable n.a. not available n.av. not checked n.c. n.d.a. no data available 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 organic org. polycyclic aromatic hydrocarbon PAH PBT persistent, bioaccumulative and toxic PC Chemical product category PΕ Polyethylene PNEC Predicted No Effect Concentration POCP Photochemical ozone creation potential parts per million ppm 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) 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List REACH-IT List-No. Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT. Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International RID 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) United Nations Recommendations on the Transport of Dangerous Goods UN RTDG Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria)) VbF VOC Volatile organic compounds vPvB very persistent and very bioaccumulative WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) WEL-TWA, WEL-STEL reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK). WHO World Health Organization wwt wet weight



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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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