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

Revised on / Version: 19.01.2011 / 0009

Replaces revision of / Version: 04.06.2009 / 0008

Valid from: 19.01.2011

PDF print date: 26.01.2012

Polsterschaumreiniger 300 mL Art.: 1539

# 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

## Polsterschaumreiniger 300 mL

Art.: 1539

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

Cleaner

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]:

PC35 - Washing and cleaning products (including solvent based products)

Process category [PROC]:

PROC 7 - Industrial spraying

PROC10 - Roller application or brushing

PROC11 - Non industrial spraying

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 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

Advisory office in case of poisoning:

#### 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)

Not determined

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

F+,Extremely flammable

## 2.2 Label elements

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

Not determined



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## 2.2.2 Labeling according to Directives 67/548/EEC and 1999/45/EC (including amendments).



Symbols: F+ Indications of danger: Extremely flammable

R-phrases: S-phrases:

23 Do not breathe vapour/spray.

46 If swallowed, seek medical advice immediately and show this container or label.

51 Use only in well-ventilated areas.

56 Dispose of this material and its container to hazardous or special waste collection point.

Additions:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

Keep away from sources of ignition - No smoking.

Keep out of the reach of children.

Without adequate ventilation, formation of explosive mixtures may be possible.

#### 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.

Without adequate ventilation, formation of explosive mixtures may be possible.

## REGULATION (EC) No 648/2004

5 % or over but less than 15 % aliphatic hydrocarbons less than 5 % anionic surfactants phosphates polycarboxylates

perfumes LIMONENE CITRAL

## **SECTION 3: Composition/information on ingredients**

#### Aerosol

#### 3.1 Substance

## n.a. 3.2 Mixture

Sodium lauryl ether carboxylate	
Registration number (ECHA)	
Index	
EINECS, ELINCS	-
CAS	CAS 33939-64-9
content %	1-<5
Symbol	Xi
R-phrases	36
Classification categories / Indications of danger	Irritant
Hazard class/Hazard category	Hazard statement
Eye Irrit./2	H319

Ammonia	Substance for which an EU exposure limit value applies.



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Registration number (ECHA)	
Index	007-001-01-2
EINECS, ELINCS	215-647-6
CAS	CAS 1336-21-6
content %	0,01-<1
Symbol	C/N
R-phrases	34-50
Classification categories / Indications of danger	Corrosive, Dangerous for the environment
Hazard class/Hazard category	Hazard statement
Skin Corr./1B	H314
Aquatic Acute/1	H400

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

#### **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.

#### **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.

#### **Eve contact**

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

Keep Data Sheet available.

#### Ingestion

Call doctor immediately - have 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.

The following may occur:

Irritation of the respiratory tract

Irritation of the eyes

Skin irritation possible with prolonged contact.

## 4.3 Indication of any immediate medical attention and special treatment needed

Indications for the physician:

Symptomatic treatment

## **SECTION 5: Firefighting measures**

## 5.1 Extinguishing media Suitable extinguishing media

Water jet spray

CO<sub>2</sub>

Extinction powder

Foam

Cool container at risk with water.

#### 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

Toxic pyrolysis products.

Danger of explosion by prolonged heating.

Explosive vapour/air mixture

In case of spreading near the ground, flashback to distance sources of ignition is possible.

## 5.3 Advice for firefighters

Protective respirator with independent air supply.



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According to size of fire Full protection, if necessary

Dispose of contaminated extinction water according to official regulations.

#### **SECTION 6: Accidental release measures**

## 6.1 Personal precautions, protective equipment and emergency procedures

Remove possible causes of ignition - do not smoke.

Ensure sufficient supply of air.

Avoid inhalation, and contact with eyes or skin.

## **6.2 Environmental precautions**

Prevent penetration into drains, cellars, working pits or other places in which accumulation could be hazardous.

Prevent surface and ground-water infiltration, as well as ground penetration.

#### 6.3 Methods and material for containment and cleaning up

If spray or gas escapes, ensure ample fresh air is available.

Active substance:

Soak up with absorbent material (e.g. universal binding agent) 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.

Keep away from sources of ignition - Do not smoke.

Take measures against electrostatic charging, if appropriate.

Do not use on hot surfaces.

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.

Not to be stored in gangways or stair wells.

Store product closed and only in original packing.

Observe special regulations for aerosols!

Do not store with oxidizing agents.

Keep protected from direct sunlight and temperatures over 50°C.

Store in a well ventilated place.

Observe special storage conditions (in Germany, e.g., in accordance with the regulations in the "Betriebssicherheitsverordnung").

#### 7.3 Specific end use(s)

No information available at present.

#### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

Chemical Name Amn	monia	Content %:0,01- <1
WEL-TWA: NH3 25 ppm (18 mg/m3) (W	VEL), 20 ppm   WEL-STEL: NH3 35 ppm (25 mg/m3) (WEL), 50 ppm	
(14 mg/m3) (EC)	(36 mg/m3) (EC)	



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BMGV:				Other information:	
Chemical Name	Propane				Content %:
WEL-TWA: 1000 ppm (ACGIH)		WEL-STEL:			
BMGV:				Other information:	
® Chemical Name	Butane				Content %:
WEL-TWA: 600 ppm (1450 mg/m3	3)	WEL-STEL:	750 ppm (1810 m	g/m3)	
BMGV:				Other information:	
® Chemical Name	Isobutane				Content %:
WEL-TWA: 1000 ppm (ACGIH)		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.

## 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:

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

Skin protection - Hand protection: Protective plastic gloves (EN 374). If applicable

Rubber gloves (EN 374).

Protective hand cream recommended.

Skin protection - Other:

Protective working garments (e.g. safety shoes EN ISO 20345, longsleeved protective working garments)

Respiratory protection: Normally not necessary.

If OES or MEL is exceeded.

Gas mask filter A (EN 14387), code colour brown

Thermal hazards:

If applicable, these are included in the individual protective measures (eye/face protection, skin protection, respiratory protection).

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**



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## 9.1 Information on basic physical and chemical properties

Physical state: Aerosol

Physical state: Substance: Liquid Colour: Not determined

Odour: Lemon

Odour threshold: Not determined pH-value: Not determined Melting point/freezing point: Not determined

Initial boiling point and boiling range: Not determined

Flash point:

n.a. Not determined Evaporation rate: Flammability (solid, gas): Not determined Lower explosive limit: Not determined Upper explosive limit: Not determined Vapour pressure: Not determined Vapour density (air = 1): Not determined Density: Not determined Bulk density: Not determined Solubility(ies): Not determined Water solubility: Mixable

Partition coefficient (n-octanol/water): Not determined Auto-ignition temperature: Not determined Decomposition temperature: Not determined

Viscosity: n.a.

Explosive properties: Not determined

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

See also Subsection 10.4 to 10.6.

The product has not been tested.

## 10.2 Chemical stability

See also Subsection 10.4 to 10.6.

Stable with proper storage and handling.

#### 10.3 Possibility of hazardous reactions

See also Subsection 10.4 to 10.6.

#### 10.4 Conditions to avoid

See also section 7.

Heating, open flame, ignition sources

Pressure increase will result in danger of bursting.

### 10.5 Incompatible materials

See also section 7.

Avoid contact with oxidizing agents.

## 10.6 Hazardous decomposition products

See also Subsection 10.4 to 10.6.

See also section 5.2

## **SECTION 11: Toxicological information**



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Toxicity/effect	Endpoin t	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 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.
Respiratory tract irritation:						n.d.a.
Repeated dose toxicity:						n.d.a.
Symptoms:						n.d.a.
Other toxicity data:						Classification according to calculation procedu

Sodium lauryl ether carboxylate							
Toxicity/effect	Endpoin t	Value	Unit	Organism	Test method	Notes	
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat			

Ammonia						
Toxicity/effect	Endpoin t	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LDLo	550	mg/kg	Cat		
Acute toxicity, by oral route:	LDLo	43	mg/kg	Human being		
Acute toxicity, by inhalation:	LCLo	5000	ppm	Human being		
Skin corrosion/irritation:						Corrosive
Serious eye damage/irritation:				Rabbit		Risk of serious damage
						to eyes.
Respiratory or skin sensitisation:				Guinea pig		Not sensitizising
Germ cell mutagenicity:						None
Carcinogenicity:						None
Reproductive toxicity:						None
Symptoms:						asthmatic symptoms, respiratory distress, unconsciousness, burning of the membranes of the nose and throat, vomiting, cornea opacity, coughing, cramps, circulatory collapse, shock, nausea
Teratogenicity:						None

Propane							
Toxicity/effect	Endpoin	Value	Unit	Organism	Test method	Notes	
-	t						
Germ cell mutagenicity					OECD 471 (Bacterial	Negative	
(bacterial):					Reverse Mutation Test)		



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Symptoms:		breathing difficulties,
		unconsciousness,
		frostbite, headaches,
		cramps, mucous
		membrane irritation,
		dizziness, nausea and
		vomiting.

Butane						
Toxicity/effect	Endpoin	Value	Unit	Organism	Test method	Notes
	t					
Acute toxicity, by inhalation:	LC50	658	mg/l/4h	Rat		
Germ cell mutagenicity:					OECD 471 (Bacterial	Negative
					Reverse Mutation Test)	
Symptoms:						ataxia, breathing
						difficulties, dizziness,
						unconsciousness,
						frostbite, disturbed heart
						rhythm, headaches,
						cramps, intoxication,
						dizziness, nausea and
						vomiting.

Isobutane						
Toxicity/effect	Endpoin t	Value	Unit	Organism	Test method	Notes
Acute toxicity, by inhalation:	LC50	658	mg/l/4h	Rat		
Serious eye damage/irritation:				Rabbit		Not irritant
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Symptoms:						unconsciousness, frostbite, headaches, cramps, dizziness, nausea and vomiting.

## **SECTION 12: Ecological information**

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 degradability:							The surfactant(s) 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 at held at the disposal of the ompetent 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:							



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Mobility in soil:				n.d.a.
Results of PBT and				n.d.a.
vPvB assessment				
Other adverse effects:				n.d.a.
Other ecotoxicological				According to the recipe,
data:				contains no AOX.

Sodium lauryl ether carboxylate								
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes	
Toxicity to fish:	LC50	96h	>1	mg/l				

Ammonia								
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes	
Toxicity to fish:	LC50	96h	0,53	mg/l	(Oncorhynchus mykiss)		Anhydrous substance	
Toxicity to daphnia:	EC50	48h	1,16	mg/l	(Daphnia pulicaria)		Anhydrous substance	
Persistence and		28d	<70	%			Not readily biodegradable	
degradability:								
Bioaccumulative							Not to be expected	
potential:								
Toxicity to bacteria:	EC50	5min	1,16	mg/l	(Photobacterium phosphoreum)		Anhydrous substance	
Water solubility:					priospriorearii		Soluble	

## **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 05 04 gases in pressure containers (including halons) containing dangerous substances

Recommendation:

Pay attention to local and national official regulations

E.g. suitable incineration plant.

E.g. dispose at suitable refuse site.

## For contaminated packing material

Pay attention to local and national official regulations

Recommendation:

Do not perforate, cut up or weld uncleaned container.

## **SECTION 14: Transport information**

## **General statements**

UN number: 1950

## Transport by road/by rail (ADR/RID)

UN proper shipping name: UN 1950 AEROSOLS

Transport hazard class(es):

Packing group:

Classification code:

LQ (ADR 2011):

2.1

5F

LQ (ADR 2011):

Environmental hazards: Not applicable

Tunnel restriction code:

## **Transport by sea (IMDG-code)**

UN proper shipping name:

AEROSOLS

LQ (ADR 2009):

Transport hazard class(es): 2.1







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Packing group:

F-D, S-U EmS: Marine Pollutant: n.a

Environmental hazards: Not applicable

**Transport by air (IATA)** 

UN proper shipping name: Aerosols, flammable

Transport hazard class(es): 2.1

Packing group:

Environmental hazards: Not applicable

Special precautions for user

Persons employed in transporting dangerous goods must be trained.

All persons involved in transporting must observe safety regulations.

Precautions must be taken to prevent damage.

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

Freighted as packaged goods rather than in bulk, therefore not applicable.

Minimum amount regulations have not been taken into account.

Danger code and packing code on request.

## **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:

Yes

Comply with trade association/occupational health regulations.

Observe incident regulations.

Observe youth employment law (German regulation).

Regulation (EC) No 1907/2006, Annex XVII

VOC 1999/13/EC ~ 10%

#### 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:

The following statements are the indicated R-phrases / H-phrases and classification codes (GHS/CLP) for the ingredients (listed in Section 3).

1 - 16

36 Irritating to eyes.

34 Causes burns.

50 Very toxic to aquatic organisms.

H314 Causes severe skin burns and eye damage.

H319 Causes serious eve irritation.

H400 Very toxic to aquatic life.

Eye Irrit.-Eye irritation

Skin Corr.-Skin corrosion

Aguatic Acute-Hazardous to the aguatic environment - acute

#### Any abbreviations and acronyms used in this document:

AC **Article Categories** 

acc., acc. to according, according to

ACGIH American Conference of Governmental Industrial Hygienists

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

Article number Art., Art. no.





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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

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

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
EEA European Economic Area
EEC European Economic Community

EINECS European Inventory of Existing Commercial Chemical Substances

ELINCS European List of Notified Chemical Substances

EN European Norms

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

ERC Environmental Release Categories

ES Exposure scenario

etc. et cetera EU European Union

EWC European Waste Catalogue

Fax. Fax number gen. general

GHS Globally Harmonized System of Classification and Labelling of Chemicals

GWP Global warming potential

HET-CAM Hen's Egg Test - Chorionallantoic Membrane IARC International Agency for Research on Cancer

IARC International Agency for Research on Cancer IATA International Air Transport Association

IBC Intermediate Bulk Container

IBC (Code) International Bulk Chemical (Code)

IC Inhibitory concentration

IMDG-code International Maritime Code for Dangerous Goods

incl. including, inclusive

IUCLID International Uniform ChemicaL Information Database

LC lethal concentration

LC50 lethal concentration 50 percent kill LCLo lowest published lethal concentration

LD Lethal Dose of a chemical LD50 Lethal Dose, 50% kill

LDLo Lethal Dose Low
LMBG Lebensmittel- und Bedarfsgegenständegesetz (= Foodstuffs and Commodities Law)

LOAEL Lowest Observed Adverse Effect Level LOEC Lowest Observed Effect Concentration

LOEL Lowest Observed Effect Level

LQ Limited Quantities

MARPOL International Convention for the Prevention of Marine Pollution from Ships

n.a. not applicable



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n.av. not available n.c. not checked 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

ODP Ozone Depletion Potential

OECD Organisation for Economic Co-operation and Development

org. organic

PAH polycyclic aromatic hydrocarbon PBT persistent, bioaccumulative and toxic

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)

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:

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