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

Revision date / version: 02.03.2017 / 0010

Replacing version dated / version: 07.12.2016 / 0009

Valid from: 02.03.2017 PDF print date: 06.03.2017 Kupfer-Paste 100 g

Art.: 3080

# 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

### Kupfer-Paste 100 g

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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:

Lubricant

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]:

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

(GB)

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:

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



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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 %).

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

#### 3.1 Substance

## n.a. 3.2 Mixture

| Copper  |                             |
|---|-----------------------------|
| Registration number (REACH)                                 |                             |
| Index   |                             |
| EINECS, ELINCS, NLP   | 231-159-6                   |
| CAS   | 7440-50-8                   |
| content %   | 1-10                        |
| Classification according to Regulation (EC) 1272/2008 (CLP) | Aquatic Acute 1, H400 (M=1) |
|   | Aquatic Chronic 3, H412     |

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 3.1/3.2 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

#### Inhalation

Normally not necessary.

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

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.

#### 4.2 Most important symptoms and effects, both acute and delayed

Drying of the skin.

With long-term contact:

Irritation of the skin.

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.



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#### **SECTION 5: Firefighting measures**

### 5.1 Extinguishing media Suitable extinguishing media

Foam

Dry extinguisher

#### Unsuitable extinguishing media

# 5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of carbon

Oxides of nitrogen

Oxides of phosphorus

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

Ensure sufficient supply of air.

Avoid inhalation, and contact with eyes or skin.

If applicable, caution - risk of slipping.

#### 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

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

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

Keep away from sources of ignition - Do not smoke.

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

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

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

Not to be stored in gangways or stair wells.

Store product closed and only in original packing.



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Protect against moisture and store closed.

# Store cool. 7.3 Specific end use(s)

No information available at present.

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

#### 8.1 Control parameters

| Chemical Name Copper                      |  | Content %:1-10   |  |  |  |  |  |
|---|--|--|--|--|--|--|--|
| WEL-TWA: 1 mg/m3 (dusts and mists, as Cu) | WEL-STEL: 2 mg/m3 (dusts and mists, as Cu)   |  |  |  |  |  |  |
| Monitoring procedures:                    | ISO 15202 (Workplace air - Determination of metals and r   |  |  |  |  |  |  |
|   | particulate matter by Inductively Coupled Plasma Atomic I<br>1-3 - 2000(Part 1), 2001(Part 2), 2004 (Part 3) - EU projec |  |  |  |  |  |  |
|   | - 16 card 84-1 (2004)  | , DO/OEIV/EIVIII/000/2002  |  |  |  |  |  |
|   | MDHS 91 (Metals and metalloids in workplace air by X-ray   |  |  |  |  |  |  |
|   | - 1998 - EU project BC/CEN/ENTR/000/2002-16 card 84-2  | (2004)   |  |  |  |  |  |
|   | <ul> <li>NIOSH 7029 (Copper (dust and fume)) - 1994</li> </ul>   |  |  |  |  |  |  |
|   | <ul> <li>NIOSH 7300 (Elements by ICP (nitric/perchloric ashing)) -</li> </ul>  |  |  |  |  |  |  |
|   | - NIOSH 7301 (Elements by ICP (aqua regia ashing)) - 200   |  |  |  |  |  |  |
|   | <ul> <li>NIOSH 7303 (Elements by ICP (Hot block HCI/HNO3 dige</li> </ul>   |  |  |  |  |  |  |
|   | OSHA ID-121 (Metal and metalloid particulates in workpla   | ce atmospheres (Atomic   |  |  |  |  |  |
|   | <ul> <li>absorption)) - 2002 - EU project BC/CEN/ENTR/000/2002</li> </ul>  | -16 card 84-10 (2004)  |  |  |  |  |  |
|   | OSHA ID-125G (Metal and metalloid particulates in workp  | OSHA ID-125G (Metal and metalloid particulates in workplace atmospheres (ICP)) - |  |  |  |  |  |
|   | 2002   |  |  |  |  |  |  |
|   | OSHA ID-206 (ICP analysis of metal/metallloid particulates from solder operations) -                                     |  |  |  |  |  |  |
|   | - 1991   |  |  |  |  |  |  |
| 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.

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:

If applicable

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

Skin protection - Hand protection:

Recommended

Protective nitrile gloves (EN 374)



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Minimum layer thickness in mm:

>= 0.38

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 hand cream recommended.

Skin protection - Other:

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

Respiratory protection:

Normally not necessary.

Thermal hazards:

Not applicable

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents. Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

#### 8.2.3 Environmental exposure controls

No information available at present.

#### **SECTION 9: Physical and chemical properties**

<1 g/cm3 (25°C)

#### 9.1 Information on basic physical and chemical properties

Physical state: Paste, solid. Colour: Copper Odour: Characteristic Odour threshold: Not determined pH-value: Not determined Melting point/freezing point: Not determined Initial boiling point and boiling range: Not determined Flash point: >150 °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): Not determined

Density:

Bulk density:n.a.Solubility(ies):Not determinedWater solubility:Insoluble

Partition coefficient (n-octanol/water):

Auto-ignition temperature:

Decomposition temperature:

Viscosity:

Insoluble

Not determined

Not determined

Not determined

Not determined

Explosive properties: Product is not explosive.

Oxidising properties: No

9.2 Other information

Miscibility:

Fat solubility / solvent:

Conductivity:

Not determined

Not determined

Surface tension:

Not determined

Not determined

Not determined

Not determined

Not determined



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### **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

The product has not been tested.

#### 10.2 Chemical stability

Stable with proper storage and handling.

### 10.3 Possibility of hazardous reactions

No decomposition if used as intended.

#### 10.4 Conditions to avoid

Protect from humidity.

#### 10.5 Incompatible materials

Avoid contact with strong oxidizing agents.

#### 10.6 Hazardous decomposition products

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).

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|----------------------------------|----------|-------|------|----------|-------------|--------|
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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. |
| 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. |

| Copper             |          |       |       |          |             |                 |
|--------------------|----------|-------|-------|----------|-------------|-----------------|
| Toxicity / effect  | Endpoint | Value | Unit  | Organism | Test method | Notes           |
| Other information: | LD50     | 3,5   | mg/kg | Mouse    |             | intraperitoneal |

#### **SECTION 12: Ecological information**

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

| 16 6 5 4 400               |          |      |       |      |          |             |                   |
|----------------------------|----------|------|-------|------|----------|-------------|-------------------|
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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:                 |          |      |       |      |          |             |                   |



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| 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:                |  |  |  |        |

| Copper                     |          |      |               |      |                     |             |       |  |
|----------------------------|----------|------|---------------|------|---------------------|-------------|-------|--|
| Toxicity / effect          | Endpoint | Time | Value         | Unit | Organism            | Test method | Notes |  |
| 12.1. Toxicity to fish:    | LC50     | 96h  | 0,15          | mg/l | Oncorhynchus mykiss |             |       |  |
| 12.1. Toxicity to fish:    | LC50     | 96h  | 0,15-0,3      | mg/l | Oncorhynchus mykiss |             |       |  |
| 12.1. Toxicity to daphnia: | EC50     | 48h  | 0,03-<br>0,05 | mg/l | Daphnia magna       |             |       |  |

#### **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. (2014/955/EU)

07 06 99 wastes not otherwise specified

20 01 26 oil and fat other than those mentioned in 20 01 25

Recommendation:

Sewage disposal shall be discouraged.

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**

n.a.

n.a.

n.a.

#### **General statements**

14.1. UN number: n.a.

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

14.2. UN proper shipping name:
14.3. Transport hazard class(es):
14.4. Packing group:
Classification code:

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):
14.4. Packing group:
n.a.
n.a.

14.5. Environmental hazards: Not applicable



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#### 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 substance or mixture

Observe restrictions:

General hygiene measures for the handling of chemicals are applicable.

Directive 2010/75/EU (VOC):

< 3 %

#### 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

#### **SECTION 16: Other information**

Revised sections:

2, 3, 4, 8, 9, 11, 12, 14, 15

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

Not applicable

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).

H400 Very toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

Aquatic Acute — Hazardous to the aquatic environment - acute Aquatic Chronic — Hazardous to the aquatic environment - chronic

#### 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

CEC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids

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

CIPAC Collaborative International Pesticides Analytical Council



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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

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

HGWP Halocarbon Global Warming Potential 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

ncl. 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

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
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



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**PBT** persistent, bioaccumulative and toxic

PC Chemical product category

PΕ 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.

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

Carriage of Dangerous Goods by Rail)

SADT Self-Accelerating Decomposition Temperature

Structure Activity Relationship SAR

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)

UN RTDG United Nations Recommendations on the Transport of Dangerous Goods

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

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 Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90

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