

Page 1 of 12
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 25.06.2012 / 0003
Replaces revision of / Version: 19.01.2011 / 0002
Valid from: 25.06.2012
PDF print date: 18.07.2012
Kupfer-Paste 100gr 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 100gr
Art.: 3080

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

Relevant identified uses of the substance or mixture:

Lubricant

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)

Dangerous for the environment, R52-53

2.2 Label elements

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

Not determined

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

Symbols: Not applicable

Indications of danger: ---

R-phrases:

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases:

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

Additions:

Contains

Di-iso-octyl amino methyl tolutriazole

May produce an allergic reaction.

2.3 Other hazards

Page 2 of 12
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 25.06.2012 / 0003
 Replaces revision of / Version: 19.01.2011 / 0002
 Valid from: 25.06.2012
 PDF print date: 18.07.2012
 Kupfer-Paste 100gr Art.: 3080

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.
 May produce an allergic reaction.

SECTION 3: Composition/information on ingredients

3.1 Substance

n.a.

3.2 Mixture

| | |
|--|--|
| 2,6-Di-t-butyl-4-methyl-phenol | |
| Registration number (REACH) | -- |
| Index | --- |
| EINECS, ELINCS, NLP | 204-881-4 |
| CAS | CAS 128-37-0 |
| content % | 0,25-<2,5 |
| Classification according to Directive 67/548/EEC | Dangerous for the environment, N, R50 Dangerous for the environment |
| Classification according to Regulation (EC) 1272/2008 (CLP) | Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |

| | |
|--|--|
| Di-iso-octyl amino methyl toluotriazole | |
| Registration number (REACH) | -- |
| Index | --- |
| EINECS, ELINCS, NLP | 279-503-4 + 279-514-4 |
| CAS | CAS 80584-90-3 + 80595-74-0 |
| content % | 0,1-<1 |
| Classification according to Directive 67/548/EEC | Irritant, Xi, R38 Sensitizing, R43 Dangerous for the environment, N, R51 Dangerous for the environment, R53 |
| Classification according to Regulation (EC) 1272/2008 (CLP) | Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411 |

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

Normally not necessary.
 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.
 Keep Data Sheet available.

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.

Page 3 of 12
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 25.06.2012 / 0003
Replaces revision of / Version: 19.01.2011 / 0002
Valid from: 25.06.2012
PDF print date: 18.07.2012
Kupfer-Paste 100gr Art.: 3080

Sensitive individuals:
Allergic reaction possible.

4.3 Indication of any immediate medical attention and special treatment needed

n.c.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam
Dry extinguisher
Sand

Unsuitable extinguishing media

Water
CO₂

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

6.2 Environmental precautions

If leakage occurs, dam up.
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.

Or:

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.
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.

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Page 4 of 12

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 25.06.2012 / 0003
 Replaces revision of / Version: 19.01.2011 / 0002
 Valid from: 25.06.2012
 PDF print date: 18.07.2012
 Kupfer-Paste 100gr Art.: 3080

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.
 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 | 2,6-Di-t-butyl-4-methyl-phenol | | Content %:0,25- <2,5 |
| WEL-TWA: 10 mg/m3 | WEL-STEL: --- | --- | |
| BMGV: --- | Other information: --- | | |
| Chemical Name | Copper | | Content %: |
| WEL-TWA: 1 mg/m3 (dusts and mists, as Cu) | WEL-STEL: 2 mg/m3 (dusts and mists, as Cu) | --- | |
| BMGV: --- | Other information: --- | | |
| Chemical Name | Silica, amorphous | | Content %: |
| WEL-TWA: 6 mg/m3 (total inh. dust), 2,4 mg/m3 (resp. dust) | WEL-STEL: --- | --- | |
| BMGV: --- | Other information: --- | | |
| Chemical Name | 2,6-Di-t-butyl-4-methyl-phenol | | Content %: |
| WEL-TWA: 10 mg/m3 | WEL-STEL: --- | --- | |
| BMGV: --- | Other information: --- | | |
| Chemical Name | Oil mist, mineral | | Content %: |
| WEL-TWA: 5 mg/m3 (ACGIH) | WEL-STEL: 10 mg/m3 (ACGIH) | --- | |
| 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.

| 2,6-Di-t-butyl-4-methyl-phenol | | | | | | |
|--------------------------------|--|-----------------------------|------------|-------|--------------|------|
| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 5,8 | mg/m3 | |
| Consumer | Human - inhalation | Long term, systemic effects | DNEL | 1,74 | mg/m3 | |
| Workers / employees | Human - dermal | Long term, systemic effects | DNEL | 8,3 | mg/kg bw/day | |
| Consumer | Human - dermal | Long term, systemic effects | DNEL | 5 | mg/kg bw/d | |
| | Environment - soil | | PNEC | 1,04 | mg/kg wwt | |
| | Environment - sewage treatment plant | | PNEC | 100 | mg/l | |
| | Environment - sediment | | PNEC | 1,29 | mg/kg wwt | |
| | Environment - marine | | PNEC | 0,4 | µg/l | |
| | Environment - periodic release | | PNEC | 4 | µg/l | |
| | Environment - freshwater | | PNEC | 4 | µg/l | |

Page 5 of 12
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 25.06.2012 / 0003
 Replaces revision of / Version: 19.01.2011 / 0002
 Valid from: 25.06.2012
 PDF print date: 18.07.2012
 Kupfer-Paste 100gr Art.: 3080

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: | If applicable |
| Tight fitting protective goggles with side protection (EN 166). | |
| Skin protection - Hand protection: | Recommended |
| Protective nitrile gloves (EN 374) | |
| Minimum layer thickness in mm: | |
| 0,3 | |
| Permeation time (penetration time) in minutes: | |
| > 120 | |
| Skin protection - Other: | Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments) |
| Respiratory protection: | Normally not necessary. |
| If OES or MEL is exceeded. | |
| Filter A2 P2 (EN 14387), code colour brown, white | |
| Observe wearing time limitations for respiratory protection equipment. | |
| Thermal hazards: | |
| Not applicable | |

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

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials derived from glove manufacturer's indications.

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

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

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: | Copper |
| Odour: | Characteristic |
| Odour threshold: | Not determined |
| pH-value: | Not determined |
| Melting point/freezing point: | 180 °C (Drop point) |
| Initial boiling point and boiling range: | Not determined |
| Flash point: | >100 °C |
| Evaporation rate: | Not determined |
| Flammability (solid, gas): | Not determined |
| Lower explosive limit: | Not determined |
| Upper explosive limit: | Not determined |
| Vapour pressure: | Not determined |

Page 6 of 12
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 25.06.2012 / 0003
 Replaces revision of / Version: 19.01.2011 / 0002
 Valid from: 25.06.2012
 PDF print date: 18.07.2012
 Kupfer-Paste 100gr Art.: 3080

| | |
|--|------------------------------|
| Vapour density (air = 1): | Not determined |
| Density: | ~1,4 g/ml |
| Bulk density: | Not determined |
| Solubility(ies): | Not determined |
| Water solubility: | Insoluble |
| Partition coefficient (n-octanol/water): | Not determined |
| Auto-ignition temperature: | Not determined |
| Decomposition temperature: | Not determined |
| Viscosity: | >7 mm ² /s (40°C) |
| Explosive properties: | Not determined |
| Oxidising properties: | Not determined |
| 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

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

See also section 7.

Protect from humidity.

10.5 Incompatible materials

See also section 7.

Avoid contact with strong oxidizing agents.

10.6 Hazardous decomposition products

See also section 5.2

No decomposition when used as directed.

SECTION 11: Toxicological information

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

Kupfer-Paste 100gr Art.: 3080

| 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 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. |

Page 8 of 12
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 25.06.2012 / 0003
 Replaces revision of / Version: 19.01.2011 / 0002
 Valid from: 25.06.2012
 PDF print date: 18.07.2012
 Kupfer-Paste 100gr Art.: 3080

| | | | | | | | |
|--------------------|--|--|--|--|--|--|---|
| Other information: | | | | | | | According to the recipe, contains no AOX. |
|--------------------|--|--|--|--|--|--|---|

| 2,6-Di-t-butyl-4-methyl-phenol | | | | | | | |
|------------------------------------|-----------|------|---------|------|---------------------------|--|---|
| Toxicity/effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
| Toxicity to fish: | LC50 | 96h | >=0,57 | mg/l | (Brachydanio rerio) | | |
| Toxicity to daphnia: | NOEC/NOEL | 21d | 0,316 | mg/l | (Daphnia magna) | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |
| Toxicity to daphnia: | EC50 | 48h | 0,61 | | (Daphnia magna) | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |
| Toxicity to algae: | IC50 | 72h | >0,4 | mg/l | (Desmodesmus subspicatus) | 84/449/EEC C.3 | |
| Persistence and degradability: | | 28d | 4,5 | % | | OECD 301 C (Ready Biodegradability - Modified MITI Test (I)) | |
| Bioaccumulative potential: | Log Pow | | 5,10 | | | | |
| Results of PBT and vPvB assessment | | | | | | | No PBT substance |
| Toxicity to bacteria: | EC50 | 3h | >10000 | mg/l | (activated sludge) | | |
| Other information: | | | | | | | Contains organically bound halogens, which may contribute to the AOX value in wastewater. |
| Water solubility: | | | 0,00076 | g/l | | | |

| Di-iso-octyl amino methyl toluotriazole | | | | | | | |
|---|----------|------|-------|------|---------------------|---|---------------------------|
| Toxicity/effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
| Toxicity to fish: | LC50 | 96h | 1,3 | mg/l | (Brachydanio rerio) | OECD 203 (Fish, Acute Toxicity Test) | |
| Toxicity to daphnia: | EC50 | 24h | 1,4 | mg/l | (Daphnia magna) | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |
| Persistence and degradability: | | 28d | 7-11 | % | | OECD 301 B (Ready Biodegradability - Co2 Evolution Test) | Not readily biodegradable |
| Persistence and degradability: | | 28d | 58-61 | % | | OECD 302 B (Inherent Biodegradability - Zahn-Wellens/EMPA Test) | Not readily biodegradable |

Page 9 of 12
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 25.06.2012 / 0003
 Replaces revision of / Version: 19.01.2011 / 0002
 Valid from: 25.06.2012
 PDF print date: 18.07.2012
 Kupfer-Paste 100gr Art.: 3080

| | | | | | | | |
|-----------------------|------|----|-------|------|--------------------|---|--|
| Toxicity to bacteria: | IC50 | 3h | 69 | mg/l | (activated sludge) | OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) | |
| Water solubility: | | | <0,01 | % | | | |

2,6-Di-t-butyl-4-methyl-phenol

| Toxicity/effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
|--------------------------------|------------|------|-------|------|---------------------------|-------------|-------|
| Toxicity to fish: | LC0 | 96h | > 0,5 | mg/l | (Brachydanio rerio) | | |
| Toxicity to daphnia: | EC0 | 48h | > 0,3 | mg/l | (Daphnia magna) | | |
| Toxicity to daphnia: | NOEC/NO EL | 21d | 0,14 | mg/l | (Daphnia magna) | | |
| Toxicity to algae: | EC50 | 72h | >0,4 | mg/l | (Desmodesmus subspicatus) | | |
| Persistence and degradability: | | 14d | 30 | % | | | |

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)
 07 06 99 wastes not otherwise specified

20 01 26 oil and fat other than those mentioned in 20 04 25

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:

Transport hazard class(es): n.a.

Packing group: n.a.

Marine Pollutant: n.a.

Environmental hazards: Not applicable

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

Revised on / Version: 25.06.2012 / 0003

Replaces revision of / Version: 19.01.2011 / 0002

Valid from: 25.06.2012

PDF print date: 18.07.2012

Kupfer-Paste 100gr Art.: 3080

Transport by air (IATA)

UN proper shipping name:

Transport hazard class(es):

n.a.

Packing group:

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:

Yes

Comply with trade association/occupational health regulations.

VOC 1999/13/EC:

0%

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:

2, 3, 8, 11, 12, 16

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

43 May cause sensitization by skin contact.

50 Very toxic to aquatic organisms.

51 Toxic to aquatic organisms.

52 Harmful to aquatic organisms.

53 May cause long-term adverse effects in the aquatic environment.

38 Irritating to skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

Aquatic Acute-Hazardous to the aquatic environment - acute

Aquatic Chronic-Hazardous to the aquatic environment - chronic

Skin Irrit.-Skin irritation

Skin Sens.-Skin sensitization

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
 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
 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
 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
 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)
 NOAEC No 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

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

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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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