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
Flüssige Hand-Wasch-Paste  500 mL
Art.: 3355

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses of the substance or mixture:
Cosmetic preparation
Skin cleaning

Uses advised against:
No information available at present.

1.3 Details of the supplier of the safety data sheet
LIQUI MOLY GmbH, Jerg-Wieland-Straße 4, D-89081 Ulm-Lehr
Telephone (+49) 0731-1420-0, Fax (+49) 0731-1420-88

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

1.4 Emergency telephone
Emergency information services / official advisory body:
Telephone number of the company in case of emergencies:
Tel.: (+49) 0731-1420-0

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
2.1.1 Classification according to Regulation (EC) 1272/2008 (CLP)
The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP).

2.1.2 Classification according to Directives 67/548/EEC and 1999/45/EC (including amendments)
The mixture is not classified as dangerous in the terms of the directive 1999/45/EC.

2.2 Label elements
2.2.1 Labeling according to Regulation (EC) 1272/2008 (CLP)
Not applicable

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

SECTION 3: Composition/information on ingredients

INCI:
AQUA, POLYURETHANE-9, SODIUM LAURETH SULFATE, DISODIUM PEG-4 COCAMIDO MIPA SULFOSUCCINATE, COCAMIDOPROPYL BETaine, XANTHAN GUM,
SECTION 4: First aid measures

4.1 Description of first aid measures
Inhalation
Not required.
Skin contact
Not required.
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
If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.
In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

4.3 Indication of any immediate medical attention and special treatment needed
n.c.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media
Extinction powder
Foam

Unsuitable extinguishing media
None known

5.2 Special hazards arising from the substance or mixture
In case of fire the following can develop:
Oxides of carbon
Toxic gases

5.3 Advice for firefighters
In case of fire and/or explosion do not breathe fumes.
Protective respirator with independent air supply.
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
No special measures required.
Avoid contact with eyes.
If applicable, caution - risk of slipping.

**6.2 Environmental precautions**

If leakage occurs, dam up.
Resolve leaks if this possible without risk.
Prevent surface and ground-water infiltration, as well as ground penetration.
Do not pour down the drain undiluted.

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

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) and dispose of according to Section 13.
Flush residue using copious water.

**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

**7.1 Precautions for safe handling**

**7.1.1 General recommendations**
Avoid contact with eyes.
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**

Not to be stored in gangways or stair wells.
Store product closed and only in original packing.
Only store at temperatures from 5°C to 25°C.

**7.3 Specific end use(s)**

No information available at present.

### SECTION 8: Exposure controls/personal protection

**8.1 Control parameters**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Content %:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>——</td>
</tr>
</tbody>
</table>

| WEL-TWA: 10 mg/m³ (total inhalable dust), 4 mg/m³ (respirable dust) | WEL-STEL: —— | BMGV: —— |

**Other information: ——**

**SECTION 7: Handling and storage**

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

**Titanium dioxide**

<table>
<thead>
<tr>
<th>Area of application</th>
<th>Exposure route / Environmental compartment</th>
<th>Effect on health</th>
<th>Descriptor</th>
<th>Value</th>
<th>Unit</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Workers / employees</td>
<td>Human - inhalation</td>
<td>Long term, local effects</td>
<td>DNEL</td>
<td>10</td>
<td>mg/m³</td>
<td></td>
</tr>
<tr>
<td>Consumer</td>
<td>Human - oral</td>
<td>Long term, systemic effects</td>
<td>DNEL</td>
<td>700</td>
<td>mg/kg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Environment - freshwater</td>
<td></td>
<td>PNEC</td>
<td>0.127</td>
<td>mg/l</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Environment - marine</td>
<td></td>
<td>PNEC</td>
<td>1</td>
<td>mg/l</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**

- **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.
Environment - water, sporadic (intermittent) release

Environment - sewage treatment plant

Environment - sediment, freshwater

Environment - sediment, marine

Environment - soil

Environment - oral (animal feed)

<table>
<thead>
<tr>
<th>Environment</th>
<th>PNEC</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>water</td>
<td>PNEC 0.61 mg/l</td>
<td></td>
</tr>
<tr>
<td>sewage treatment plant</td>
<td>PNEC 100 mg/l</td>
<td></td>
</tr>
<tr>
<td>sediment, freshwater</td>
<td>PNEC 1000 mg/kg dw</td>
<td></td>
</tr>
<tr>
<td>sediment, marine</td>
<td>PNEC 100 mg/kg dw</td>
<td></td>
</tr>
<tr>
<td>soil</td>
<td>PNEC 100 mg/kg dw</td>
<td></td>
</tr>
<tr>
<td>oral (animal feed)</td>
<td>PNEC 1667 mg/kg feed</td>
<td></td>
</tr>
</tbody>
</table>

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:
Normally not necessary.

Skin protection - Hand protection:
Normally not necessary.

Skin protection - Other:
Normally not necessary.

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

9.1 Information on basic physical and chemical properties

Physical state: Liquid

Colour: Beige

Odour: Perfumed

Odour threshold: Not determined

pH-value: ~5.5 (1 %)

Melting point/freezing point: Not determined

Initial boiling point and boiling range: 100 °C

Flash point: n.a.
Evaporation rate: Not determined
Flammability (solid, gas): n.a.
Lower explosive limit: n.a.
Upper explosive limit: n.a.
Vapour pressure: Not determined
Vapour density (air = 1): Not determined
Density: ~1,025 g/ml
Bulk density: n.a.
Solubility: Not determined
Water solubility: Soluble
Partition coefficient (n-octanol/water): Not determined
Auto-ignition temperature: Not determined
Decomposition temperature: Not determined
Viscosity: Not determined
Explosive properties: n.a.
Oxidising properties: No

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

SECTION 10: Stability and reactivity

10.1 Reactivity
Not to be expected

10.2 Chemical stability
Stable with proper storage and handling.

10.3 Possibility of hazardous reactions
No dangerous reactions are known.

10.4 Conditions to avoid
See also section 7.
None known

10.5 Incompatible materials
Avoid contact with other chemicals.

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).

<table>
<thead>
<tr>
<th>Toxicity/effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, by dermal route:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute toxicity, by inhalation:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skin corrosion/irritation:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Serious eye damage/irritation:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Respiratory or skin sensitisation:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Germ cell mutagenicity:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carcinogenicity:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reproductive toxicity:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aspiration hazard:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 20.04.2012 / 0002
Replaces revision of / Version: 25.01.2012 / 0001
Valid from: 20.04.2012
PDF print date: 14.02.2013
Flüssige Hand-Wasch-Paste 500 mL Art.: 3355

### Toxicity/effect

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, by oral route:</td>
<td>LD50</td>
<td>&gt;5000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>OECD 425 (Acute Oral Toxicity - Up-and-Down Procedure)</td>
</tr>
<tr>
<td>Acute toxicity, by dermal route:</td>
<td>LD50</td>
<td>&gt;5000</td>
<td>mg/kg</td>
<td>Rabbit</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity, by inhalation:</td>
<td>LD50</td>
<td>&gt;6.8</td>
<td>mg/l/4h</td>
<td>Rat</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity, by inhalation:</td>
<td>LD50</td>
<td>3.43</td>
<td>mg/l/4h</td>
<td>Rat</td>
<td>OECD 403 (Acute Inhalation Toxicity)</td>
</tr>
<tr>
<td>Skin corrosion/irritation:</td>
<td></td>
<td></td>
<td></td>
<td>Rabbit</td>
<td>OECD 404 (Acute Dermal Irritation/Corrosion)</td>
</tr>
<tr>
<td>Serious eye damage/irritation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OECD 405 (Acute Eye Irritation/Corrosion)</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation:</td>
<td></td>
<td></td>
<td></td>
<td>Mouse</td>
<td>OECD 429 (Skin Sensitisation - Local Lymph Node Assay)</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation:</td>
<td></td>
<td></td>
<td></td>
<td>Guinea pig</td>
<td>OECD 406 (Skin Sensitisation)</td>
</tr>
<tr>
<td>Germ cell mutagenicity:</td>
<td></td>
<td></td>
<td></td>
<td>Salmonella typhimurium</td>
<td>Ames-Test</td>
</tr>
<tr>
<td>No adverse effects:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Symptoms:</td>
<td></td>
<td></td>
<td></td>
<td>Rat</td>
<td></td>
</tr>
<tr>
<td>Specific target organ toxicity - repeated exposure (STOT-RE), oral:</td>
<td>NOAEL</td>
<td>3500</td>
<td>mg/kg/d</td>
<td>Rat</td>
<td>90d</td>
</tr>
<tr>
<td>Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:</td>
<td>NOAEC</td>
<td>10</td>
<td>mg/m3</td>
<td>Rat</td>
<td>90d</td>
</tr>
</tbody>
</table>

### SECTION 12: Ecological information

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

Titanium dioxide

<table>
<thead>
<tr>
<th>Toxicity/effect</th>
<th>Endpoint</th>
<th>Time</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity to fish:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Toxicity to daphnia:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Toxicity to algae:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Persistence and degradability:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Bioaccumulative potential:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Mobility in soil:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Results of PBT and vPvB assessment:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Other adverse effects:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
</tbody>
</table>
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Revised on / Version: 20.04.2012 / 0002
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Valid from: 20.04.2012
PDF print date: 14.02.2013
Flüssige Hand-Wasch-Paste  500 mL Art.: 3355

<table>
<thead>
<tr>
<th></th>
<th>LC50</th>
<th>96h</th>
<th>&gt;100</th>
<th>mg/l</th>
<th>Oncorhynchus mykiss</th>
<th>OECD 203 (Fish, Acute Toxicity Test)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity to fish:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toxicity to daphnia:</td>
<td>LC50</td>
<td>48h</td>
<td>&gt;100</td>
<td>mg/l</td>
<td>Daphnia magna</td>
<td>OECD 202 (Daphnia sp. Acute Immobilisation Test)</td>
</tr>
<tr>
<td>Toxicity to algae:</td>
<td>EC50</td>
<td>72h</td>
<td>16</td>
<td>mg/l</td>
<td>Pseudokirchneriella subcapitata</td>
<td>U.S. EPA-600/9-78-018</td>
</tr>
</tbody>
</table>

**Toxicity to fish:**
- LC50 96h >100 mg/l Oncorhynchus mykiss
  - OECD 203 (Fish, Acute Toxicity Test)

**Toxicity to daphnia:**
- LC50 48h >100 mg/l Daphnia magna
  - OECD 202 (Daphnia sp. Acute Immobilisation Test)

**Toxicity to algae:**
- EC50 72h 16 mg/l Pseudokirchneriella subcapitata
  - U.S. EPA-600/9-78-018

Persistence and degradability:
- Not readily biodegradable

Bioaccumulative potential:
- No

Mobility in soil:
- Negative

Results of PBT and vPvB assessment:
- No PBT substance, No vPvB substance

**Toxicity to bacteria:**
- >5000 mg/l Escherichia coli
- >10000 mg/l Pseudomonas fluorescens
- >5000 mg/l Pseudomonas fluorescens

**Toxicity to annelids:**
- NOEC/NOEL >1000 mg/kg Eisenia fetida

Water solubility:
- Insoluble

### 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

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.

### SECTION 14: Transport information

**General statements**

UN number: n.a.

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

UN proper shipping name: n.a.

- Transport hazard class(es): n.a.
- Packing group: n.a.
- Classification code: n.a.

Environmental hazards:
- Not applicable

Tunnel restriction code:

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

UN proper shipping name: n.a.

- Transport hazard class(es): n.a.
- Packing group: n.a.
Flüssige Hand-Wasch-Paste  500 mL Art.: 3355

Marine Pollutant: n.a
Environmental hazards: Not applicable

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: n.a.
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

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):
Not applicable

Any abbreviations and acronyms used in this document:

AC  Article Categories
acc., acc. to  according, according to
ACGIH American Conference of Governmental Industrial Hygienists
ADR  Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
AOEL  Acceptable Operator Exposure Level
AOX  Adsorbable organic halogen compounds
approx. approx.
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
CEAO  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)
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### Chemical Product Information

- **Flüssige Hand-Wasch-Paste 500 mL Art.: 3355**

### Glossary of Abbreviations

- **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
- **DTS50** 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
- **IUCN** International Union for Conservation of Nature
- **IUCN** International Union for Conservation of Nature
- **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  Polytetrafluoroethylene
REACH  Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)
REACH-IT List-No.  9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.
RID  Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)
SADT  Self-Accelerating Decomposition Temperature
SAR  Structure Activity Relationship
SU  Sector of use
SVHC  Substances of Very High Concern
Tel.  Telephone
ThOD  Theoretical oxygen demand
TOC  Total organic carbon
TRGS  Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)
VbF  Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))
VOC  Volatile organic compounds
vPvB  very persistent and very bioaccumulative
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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