

## Safety data sheet

according to Regulation (EC) No. 1907/2006

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Printing date: 23.03.2020

Revision: 19.02.2020

Version number: 1.00

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

• **Trade name:** *Shower Cabin Cleaner*

• **Assortment:** CLASSIC

• **Article number:** 2001000851

• **EAN-Code:** 4004666000851

• **Type of packaging:** 0,5 l oblong HD-PE-bottle with childresistant sprayer (certified according to EN 862 / ISO 8317)

#### Registration number

This product is a mixture. REACH registration number see section 3.

All ingredients of this mixture are (pre)registered according to REACH regulation.

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

##### Application of the substance / the mixture

Cleaning agent, acidic

The product is intended for the general public.

• **Uses advised against** No relevant information available.

#### 1.3 Details of the supplier of the safety data sheet

##### Manufacturer/Supplier:

MELLERUD CHEMIE GmbH

Bernhard-Röttgen-Waldweg 20

41379 Brüggen

Germany

Phone: +49 (0)2163 / 950 90 - 0

Fax: +49 (0)2163 / 950 90 - 227

E-mail: [service@mellerud.de](mailto:service@mellerud.de)

[www.mellerud.de](http://www.mellerud.de)

##### Informing department:

Department Regulatory Affairs

e-mail: [labor@mellerud.de](mailto:labor@mellerud.de)

#### 1.4 Emergency telephone number:

##### Advisory office in case of poisoning:

Poison Emergency Call Berlin (24 h)

Phone: + 49 (0)30/30686700

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

• **Additional information:** This safety data sheet has been prepared on a voluntary basis.

#### 2.2 Label elements

• **Labelling according to Regulation (EC) No 1272/2008** Void

• **Hazard pictograms** Void

• **Signal word** Void

• **Hazard statements** Void

• **Additional information:**



Keep away from children.

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[www.cleanright.eu](http://www.cleanright.eu)

• **2.3 Other hazards** None, if used properly.

#### Results of PBT and vPvB assessment

• **PBT:** Not applicable.

• **vPvB:** Not applicable.

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### SECTION 3: Composition/information on ingredients

- **3.1 Substances** This product is a mixture.
  - **3.2 Mixtures**
  - **Description:**  
Waterbased mixture  
Waterbased mixture of organic acids and surfactants
  - **Dangerous components:**  
This mixture does not contain any substances which either present a health or environmental hazard according to Regulation (EC) No. 1272/2008 or have an occupational exposure limit assigned.
  - **SVHC**  
This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of  $\geq 0.1\%$  (w/w).
  - **Regulation (EC) No 648/2004 on detergents / Labelling for contents**
- |   |     |
|---|-----|
| non-ionic surfactants, phosphates, amphoteric surfactants | <5% |
| organic acid, perfumes                                    |     |
- **Additional information** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information** No special measures required.
- **After inhalation**  
Supply fresh air.  
Seek medical treatment in case of complaints.
- **After skin contact**  
Rinse skin with water/shower.  
If skin irritation continues, consult a doctor.
- **After eye contact**  
Rinse opened eye for several minutes under running water.  
If eye irritation persists: Get medical advice/attention.
- **After swallowing** Make victim drink water (two glasses at most). Consult doctor if feeling unwell.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**  
Water spray jet (if possible, avoid full jet). Adapt the fire-fighting measures to the environmental conditions. Commercially available extinguishers are suitable for fighting incipient fires. The product itself does not burn.
- **For safety reasons unsuitable extinguishing agents** For this mixture no limitations of extinguishing agents are given.
- **5.2 Special hazards arising from the substance or mixture**  
Can be released in case of fire:  
Carbon monoxide (CO) and Carbon dioxide (CO<sub>2</sub>)
- **5.3 Advice for firefighters**
- **Protective equipment:** Do not inhale explosion gases or combustion gases.
- **Additional information** No relevant information available.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Observe all relevant local and international regulations.  
For non emergency personnel: Avoid contact with skin, eyes and clothing. Isolate hazard area and deny entry to unnecessary or unprotected personnel.

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- For emergency responders: Wear protective clothing. See Chapter 8
- **6.2 Environmental precautions:**  
Inform authorities if large amounts are released.  
Do not allow to enter into surface water or drains.
- **6.3 Methods and material for containment and cleaning up:**  
Dilute product with plenty of water and rinse away.  
Wipe up with absorbent material (e.g. cloth, fleece, sand, diatomite, acid binders, universal binders).
- **6.4 Reference to other sections**  
See section 7 for information on safe handling.  
See section 8 for information on personal protection equipment.  
See section 13 for information on disposal.

## SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Observe label precautions.  
No special precautions necessary if used correctly.
- **Information about protection against explosions and fires:** The product is not flammable.
- **Advices on general occupational hygiene**  
Use skin protection cream for preventive skin protection.  
Avoid close or long term contact with the skin.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Recommended storage temperature:** +5 °C up to +40 °C
- **Storage class** Storage class 12: Non-combustible liquids that cannot be assigned to any of the above storage classes
- **7.3 Specific end use(s)**  
See section 1.2  
For more MELLERUD products please visit [www.mellerud.de](http://www.mellerud.de).
- **GISCODES:** GS10 Sanitary cleaner, pH >2, not labeled

## SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **8.1.1 Components with critical values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Occupational exposure limits of decomposition products:** No further relevant information available.
- **8.1.2 DNELs** No data available.
- **8.1.3 PNECs** No data available.
- **8.1.4 Ingredients with biological limit values:** No data available.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **8.2 Exposure controls**
- **8.2.1 Engineering Controls:** See section 7. No additional measures necessary.
- **8.2.2 Personal protective equipment**  
For special purposes, it is recommended to check the resistance to chemicals of the protective clothing/gloves mentioned below together with the supplier of the PPE.
- **Breathing equipment:**  
With correct and proper use, and under normal conditions, breathing protection is not required.  
Respiratory protection necessary at:  
insufficient ventilation  
aerosol or mist formation
- **Recommended filter device for short term use:**  
Filter P (EN 143), code colour white.  
The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. The measures have to be properly documented.  
Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

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· **Protection of hands:**

· **Full contact:**

Material: Nitrile rubber

Minimum layer thickness:  $\geq 0,11$  mm

Break through time: 480 min

Material tested: Dermatril® L KCL 741

· **Splash contact:**

Material: Nitrile rubber

Minimum layer thickness:  $\geq 0,11$  mm

Break through time: 480 min

Material tested: Dermatril® L KCL 741

· **Penetration time of glove material**

The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374, for example KCL 741 Dermatril® L (full contact), KCL 741 Dermatril® L (splash contact).

The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types.

This recommendation applies only to the product stated in the safety data sheet<(>,<(> supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: [www.kcl.de](http://www.kcl.de)).

· **Eye protection:**

Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product.

Tightly sealed safety glasses according to EN166.

· **Body protection:**

Not required at determined application.

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

· **8.2.3 Limitation and supervision of exposure into the environment** See sections 6 and 7.

· **Risk management measures** No further relevant Information available.

## SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **9.1.1 Appearance:**

Form:

Fluid

Colour:

Colourless

· **Smell:**

Fruit-like

· **Odour threshold:**

No data available.

· **9.1.2 Safety relevant basic data:**

pH-value at 20 °C:

2.1 - 2.5 (DIN 19268)

· **Change in condition**

Melting point/freezing point:

No data available.

Initial boiling point and boiling range:

$\geq 100$  °C (H<sub>2</sub>O)

· **Flash point:**

Not applicable

· **Inflammability (solid, gaseous)**

No data available / Not applicable

· **Ignition temperature:**

Not relevant.

· **Decomposition temperature:**

No data available / Not applicable

· **Self-inflammability:**

Product is not selfigniting.

· **Explosive properties:**

Product is not explosive.

· **Critical values for explosion:**

Lower:

No data available / Not applicable

Upper:

No data available.

· **Oxidising properties**

Not oxidizing.

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· <b>Steam pressure at 20 °C:</b>	≤23 hPa (H <sub>2</sub> O, CAS: 7732-18-5 H <sub>2</sub> O)
· <b>Density at 20 °C</b>	~ 1005 kg/m <sup>3</sup> (ISO 387)
· <b>Relative density at 20 °C</b>	~ 1.005
· <b>Vapour density</b>	No data available / Not applicable
· <b>Evaporation rate</b>	No data available / Not applicable
· <b>Solubility in / Miscibility with Water:</b>	Fully miscible
· <b>Partition coefficient: n-octanol/water:</b>	No data available / Not applicable
· <b>Viscosity:</b> dynamic: kinematic:	Not applicable. Not applicable.
· <b>Surface tension:</b>	25-40 mN/m
· <b>9.1.3 Data relevant with regard to physical hazard classes (supplemental)</b>	
· <b>Corrosiveness to metals</b> Conclusion/Classification	Not corrosive to metals. Based on available data, the classification criteria are not met.
· <b>9.2 Other information</b>	No further relevant information available.

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** See section 10.3.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Decomposition products in case of fire: see section 5.

## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** The mixture is classified based on calculation method referring to the classified substances present in the mixture.
- **Hazardous substances:**
- **Experimental/calculated data:** No hazardous ingredients in relevant amounts present.
- **Product/Mixture:**

### · Acute toxicity estimate (ATE(MIX)) - Calculation method:

Acute oral toxicity	-	(Not relevant)
Acute dermal toxicity	-	(Not relevant)
Acute inhalation toxicity	-	(Not relevant)

### · Classification:

No acute toxicity (Classification criteria not met)

### · Skin corrosion/irritation

#### · Hazardous substances:

· **Experimental/calculated data:** No hazardous ingredients in relevant amounts present.

#### · Product/Mixture:

### · Classification:

Not classified as Skin corrosive/irritant (Classification criteria not met) (Additivity principle)

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- **Serious eye damage/irritation**
- **Hazardous substances:**
- **Experimental/calculated data:** No hazardous ingredients in relevant amounts present.
- **Product/Mixture:**

· **Classification:**

Not classified as damaging/irritant to eyes (Classification criteria not met) (Additivity principle)

- **Respiratory or skin sensitisation**
- **Hazardous substances:**
- **Experimental/calculated data:** The mixture does not contain any relevant substances being sensitizing for skin or respiratory system.
- **Product/Mixture:**

· **Classification:**

Not classified as sensitizing (Classification criteria not met) (assessment based on ingredients)

- **Experience with human exposure:** No data available.

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

· **Germ cell mutagenicity**

**Product/Mixture:**

**Classification:**

Based on available data, the classification criteria are not met.

· **Carcinogenicity**

**Product/Mixture:**

**Classification:**

Based on available data, the classification criteria are not met.

· **Reproductive toxicity**

**Product/Mixture:**

**Classification:**

Based on available data, the classification criteria are not met.

· **STOT-single exposure**

**Product/Mixture:**

**Classification:**

Based on available data, the classification criteria are not met.

· **STOT-repeated exposure**

**Product/Mixture:**

**Classification:**

Based on available data, the classification criteria are not met.

· **Aspiration hazard**

**Product/Mixture:**

**Classification:**

Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

· **12.1 Toxicity**

The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the single components (see section 3).

· **Aquatic toxicity:**

- **Hazardous substances:** No dangerous ingredients in relevant amounts are present.

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• **Experimental/calculated data:**

• **Product/Mixture:**

• **Classification:**

Not classified as hazardous to the environment (Classification criteria not met) (Additivity principle)

• **12.2 Persistence and degradability**

• **Hazardous substances:** No relevant hazardous ingredients known.

• **Product/Mixture:**

• **Result / evaluation:**

The product is easily biodegradable.

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the member states and will be made available to them, at their direct request or at the request of a detergent manufacturer.

• **12.3 Bioaccumulative potential**

• **Hazardous substances:** No relevant hazardous ingredients known.

• **Product/Mixture:**

• **Result / evaluation:** Bioaccumulation is not expected.

• **12.4 Mobility in soil** Remarks: No data available

• **Ecotoxicological effects:**

• **Remark:** Harmful effect on fish, planktonic and sessile organisms is possible due to pH shift.

• **Behaviour in sewage processing plants:** Remarks: No data available

• **Respiratory inhibition of communal activated sludge EC 20 (mg/l according to ISO 8192 B):** Remarks: No data available

• **Additional ecological information:**

• **General notes:**

Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

Water hazard class 1 (Self-assessment): slightly hazardous for water.

• **12.5 Results of PBT and vPvB assessment**

• **PBT:** Not applicable.

• **vPvB:** Not applicable.

• **12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

• **13.1 Waste treatment methods**

• **13.1.1 Appropriate disposal / Product/Mixture:**
**Recommendation:**

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with local authority requirements.

• **List of proposed waste codes/waste designations in accordance with EWC:**

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 06 00	wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
07 06 01*	aqueous washing liquids and mother liquors
20 00 00	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01 00	separately collected fractions (except 15 01)
20 01 30	detergents other than those mentioned in 20 01 29
15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01 00	packaging (including separately collected municipal packaging waste)
15 01 02	plastic packaging

• **13.1.2 Appropriate disposal / Package:**

• **13.1.2 Recommendation:** Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

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### SECTION 14: Transport information

· <b>UN-Number</b>	Void
· <b>ADR/RID/ADN, ADN, IMDG, IATA</b>	Void
· <b>14.2 UN proper shipping name</b>	Void
· <b>ADR/RID/ADN, ADN, IMDG, IATA</b>	Void
· <b>14.3 Transport hazard class(es)</b>	
· <b>ADR/RID/ADN, ADN, IMDG, IATA</b>	
· <b>Class</b>	Void
· <b>14.4 Packing group</b>	
· <b>ADR/RID/ADN, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b>	Not applicable.
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **European Regulations and Directives:**
- **Directive 2010/75/EU on industrial emissions:** 2.0 g/l
- **Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:** Not regulated.
- **Regulation (EU) No 98/2013 on the marketing and use of explosives precursors:** Not regulated.
- **Regulation (EU) No. 528/2012 on biocides:** This product does not fall within the scope of the Biocidal Products Regulation (BPR).
- **Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]:**  
This product is not classified according to Directive 2012/18/EU.
- **REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)** Not regulated.
- **Regulation (EU) No 649/2012** Not regulated.

#### · **National regulations**

- Observe in addition any national regulations!
- Law for Detergents and Cleaning Products in German Federal Legislation (Wasch- und Reinigungsmittelgesetz, WRMG)
- Act on making products available on the market (Product Safety Act)
- Act on the Protection Against Hazardous Substance (Chemicals Act - ChemG)
- Ordinance on Hazardous Substances - GefStoffV
- German Food and Feed Code (LFGB)
- **Ordinance on Hazardous Substances (12. BImSchV):** See information on Directive 2012/18/EU.
- **Solvents Regulation (31st BImSchV):** See information on Directive 2010/75/EU.
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **15.2 Chemical safety assessment:**  
Chemical safety assessments for substances in this mixture were not carried out.  
A chemical safety report is not intended for mixtures.

### SECTION 16: Other information

- **16.1 Indication of changes:** The safety data sheet were checked/revised.
- **16.2 Relevant R-, H- and EUH-phrases (number and full text):** Void

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### · 16.3 Training hints

Provide adequate information, instruction and training for operators.

Additional details for intended use, please find in the technical Informations and internet under [www.mellerud.de](http://www.mellerud.de). In case of doubt please use our product hotline - +49 (0) 2163/950 90-999

Please refer to our internet website for more information: [www.mellerud.de](http://www.mellerud.de)

### · 16.4 Sources of key data used to compile the data sheet:

Data arise from reference works and literature.

Raw material SDS

CEFIC ERICards Database (<http://www.ericards.net>)

TOXNET (<http://toxnet.nlm.nih.gov/index.html>)

International Chemical Safety Cards (ICSC) (<http://www.ilo.org/dyn/icsc/showcard.home>)

ChELIST (<http://chelist.jrc.ec.europa.eu/>)

Classification & labelling inventory of ECHA ([http://echa.europa.eu/clp/c\\_l\\_inventory\\_en.asp](http://echa.europa.eu/clp/c_l_inventory_en.asp))

eChemPortal ([http://www.echemportal.org/echemportal/index?pageID=0&request\\_locale=en](http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en))

GESTIS database ([www.dguv.de/bgia/de/gestis/stoffdb/index.jsp](http://www.dguv.de/bgia/de/gestis/stoffdb/index.jsp))

Registered substances by ECHA (<http://echa.europa.eu/en/information-on-chemicals/registered-substances>)

### · 16.5 Additional Information:

The particulars given in the Material Safety Data Sheet only apply to the described product in connection with its appropriate utilization. These particulars are based on the latest state of our knowledge and information. In particular, they serve the purpose of describing our product under the aspect of hazards caused by such product and pertaining safety actions. They do not constitute any guarantee of product quality and/or quality features. The particulars given in this Material Safety Data Sheet are required in accordance with article 31 and annex II of the Regulation (EC) No 1907/2006.

### · Department issuing data specification sheet: Department Regulatory Affairs

#### · Contact:

Mr. Christian Geerlings  
[geerlings@mellerud.de](mailto:geerlings@mellerud.de)

Mr. Robert Winkler  
[winkler@mellerud.de](mailto:winkler@mellerud.de)

### · 16.6 Any Abbreviations and acronyms used in this document:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

AGW: Occupational Exposure Limits

CAS: Chemical Abstracts Service (division of the American Chemical Society)

CLP: Classification, Labelling and Packaging of substances and mixtures

DNEL: Derived No-Effect Level

DIN: Deutsches Institut für Normung (German Institute for Standardization)

EU: European Union

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical

EC50: Effective concentration, 50 percent

EC: European Community

EEC: European Economic Community

EWC: European Waste Catalogue Regulation

ECHA: European Chemicals Agency

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

IOELV: Indicative Occupational Exposure Limit Values

IUCLID: International Uniform Chemical Information Database

ISO: International Organisation for Standardisation

PBT: Persistent Bioaccumulative and Toxic

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

OECD: Organisation for Economic Cooperation and Development

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PNEC: Predicted No-Effect Concentration (REACH)

PE: Polyethylene

SVHC: Substance of Very High Concern

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vPvB: very Persistent and very Bioaccumulative  
VOC: Volatile Organic Compounds (USA, EU)  
Used abbreviations and acronyms can be looked up at [www.wikipedia.org](http://www.wikipedia.org).

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