

# SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **8510 Thinner WB**

Creation date: **27.09.2021**, Revision: **10.06.2022**, Version: **1.2**

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

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### 1.1 Product identifier

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**Product name**

8510 Thinner WB

**Product code**

[8510]



<https://my.chemius.net/p/fg8bB2/en/pd/e1>

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

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**Relevant identified uses**

For professional use only.

**Uses advised against**

No information.

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

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**Manufacturer**

SILCO d.o.o.  
Sentrupert 5a  
3303 Gomilsko, Slovenia  
+386 3 703 3180  
msds@silco.si

### 1.4 Emergency Telephone Number

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**Emergency**

National Poisons Information Centre: (01) 809 2166 (available from 8am – 10pm every day)

**Manufacturer**

112

## Section 2: Hazards identification

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### 2.1 Classification of the substance or mixture

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**Classification according to Regulation (EC) No 1272/2008 (CLP)**

According to the regulation, the chemical is not classified as hazardous.

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## 2.2 Label elements

### Labelling according to Regulation (EC) No 1272/2008 [CLP]

EUH210 Safety data sheet available on request.

## 2.3 Other hazards

No information.

## Section 3: Composition/information on ingredients

### 3.1 Substances

For mixtures see 3.2.

### 3.2 Mixtures

Name	CAS EC Index Reach	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Conc. Limits
<b>2-Butoxyethanol</b>	111-76-2 203-905-0 603-014-00-0	2.5-5	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332	oral: ATE = 1200 mg/kg bw

## Section 4: First aid measures

### 4.1 First aid measures

#### General notes

Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency. When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician.

#### Following inhalation

Remove patient to fresh air - move out of dangerous area. Obtain professional medical help!

#### Following skin contact

Take off all contaminated clothing. Areas of the body that have come into contact with the product must be rinsed with water. If symptoms develop and persist, seek medical attention.

#### Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. If irritation persists, seek professional medical attention.

#### Following ingestion

Do not induce vomiting! Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Consult a physician. Show the physician the safety data sheet or label.

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

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### Following inhalation

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation.

### Following skin contact

Contact with skin may cause irritation (redness, itching).

### Following eye contact

Contact with eyes can cause irritation (redness, tearing, pain).

### Following ingestion

May cause nausea/vomiting and diarrhea. May cause abdominal discomfort.

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

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Treat symptomatically.

## Section 5: Firefighting measures

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### 5.1 Extinguishing media

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#### Suitable extinguishing media

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

#### Unsuitable extinguishing media

Full water jet.

### 5.2 Special hazards arising from the substance or mixture

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#### Hazardous combustion products

In case of a fire toxic gases can be generated; do not inhale gases/smoke.

### 5.3 Advice for firefighters

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#### Protective actions

In case of fire or heating do not breathe fumes/vapours. No action shall be taken involving any personal risk or without suitable training.

#### Special protective equipment for fire-fighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

#### Additional information

No information.

## Section 6: ACCIDENTAL RELEASE MEASURES

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### 6.1 Personal precautions, protective equipment and emergency procedures

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#### For non-emergency personnel

#### Protective equipment

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No information.

## **Precautionary measures**

Ensure adequate ventilation.

## **Emergency procedures**

No action shall be taken involving any personal risk or without suitable training. Prevent access to unprotected personnel. Evacuate the danger zone. Do not breathe vapour or mist. Avoid contact with skin, eyes and clothing.

## **For emergency responders**

Use personal protective equipment.

## **6.2 Environmental precautions**

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Do not allow product to reach water/drains/sewage systems or permeable soil. In case of release into the environment, inform the relevant authorities.

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

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### **For containment**

Stem the spill if this does not pose risks.

### **For cleaning up**

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Prevent release into the sewer, water, basements or confined areas. Ventilate the premises. Clean contaminated area with plenty of water.

## **OTHER INFORMATION**

No information.

## **6.4 Reference to other sections**

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See also sections 8 and 13.

# **Section 7: Handling and storage**

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## **7.1 Precautions for safe handling**

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### **Protective measures**

#### **Measures to prevent fire**

Ensure adequate ventilation.

#### **Measures to prevent aerosol and dust generation**

Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

#### **Measures to protect the environment**

Do not discharge into drains, surface water and soil. After use immediately close container tightly.

#### **Other measures**

No information.

#### **Advice on general occupational hygiene**

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Do not breathe vapours/mist. Avoid contact with skin, eyes and clothes. Remove contaminated clothes and wash them before reuse. Wear suitable protective equipment; see Section 8.

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## 7.2 Conditions for safe storage, including any incompatibilities

### Technical measures and storage conditions

Keep in a cool, dry and well ventilated place. Keep away from food, drink and animal feeding stuffs.

### Packaging materials

Store only in original container.

### Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking. Do not store in unlabelled containers.

### Storage class

No information.

### Further information on storage conditions

No information.

## 7.3 Specific end use(s)

### Recommendations

No information.

### Industrial sector specific solutions

No information.

## Section 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure limit values

No information.

#### Information on monitoring procedures

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

#### DNEL/DMEL values

##### For product

No information.

##### For components

Name	Type	Exposure route	exp. frequency	Remark	value
<b>2-Butoxyethanol</b>	Worker	inhalation	long term systemic effects	/	98 mg/m <sup>3</sup>
<b>2-Butoxyethanol</b>	Worker	inhalation	short term systemic effects	/	1091 mg/m <sup>3</sup>

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Name	Type	Exposure route	exp. frequency	Remark	value
<b>2-Butoxyethanol</b>	Worker	inhalation	short term local effects	/	246 mg/m <sup>3</sup>
<b>2-Butoxyethanol</b>	Worker	dermal	long term systemic effects	/	125 mg/kg bw/day
<b>2-Butoxyethanol</b>	Worker	dermal	short term systemic effects	/	89 mg/kg bw/day
<b>2-Butoxyethanol</b>	Consumer	inhalation	long term systemic effects	/	59 mg/m <sup>3</sup>
<b>2-Butoxyethanol</b>	Consumer	inhalation	short term systemic effects	/	426 mg/m <sup>3</sup>
<b>2-Butoxyethanol</b>	Consumer	inhalation	short term local effects	/	147 mg/m <sup>3</sup>
<b>2-Butoxyethanol</b>	Consumer	dermal	long term systemic effects	/	75 mg/kg bw/day
<b>2-Butoxyethanol</b>	Consumer	dermal	short term systemic effects	/	89 mg/kg bw/day
<b>2-Butoxyethanol</b>	Consumer	oral	long term systemic effects	/	6.3 mg/kg bw/day
<b>2-Butoxyethanol</b>	Consumer	oral	short term systemic effects	/	26.7 mg/kg bw/day

## PNEC values

### For product

No information.

### For components

Name	Exposure route	Remark	value
<b>2-Butoxyethanol</b>	fresh water	/	8.8 mg/L
<b>2-Butoxyethanol</b>	water, intermittent release	/	26.4 mg/L
<b>2-Butoxyethanol</b>	marine water	/	0.88 mg/L
<b>2-Butoxyethanol</b>	water treatment plant	/	463 mg/L
<b>2-Butoxyethanol</b>	fresh water sediment	dry weight	34.6 mg/kg
<b>2-Butoxyethanol</b>	marine water sediment	dry weight	3.46 mg/kg

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Name	Exposure route	Remark	value
<b>2-Butoxyethanol</b>	soil	dry weight	2.33 mg/kg
<b>2-Butoxyethanol</b>	secondary poisoning	food	0.02 g/kg

## 8.2 Exposure controls

### Appropriate engineering control

#### Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothes. Do not eat, drink or smoke while working. Do not breathe vapours/aerosols.

#### Structural measures to prevent exposure

No information.

#### Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse.

#### Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

### Personal protective equipment

#### Eye and face protection

Safety glasses with side protection (EN 166).

#### Hand protection

Protective gloves (EN 374). Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. The penetration time is determined by the protective glove manufacturer and must be observed.

### Appropriate materials

#### Skin protection

Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345). At high risk of skin exposure chemical suits (EN ISO 6530:2005) and boots may be required (EN ISO 20345:2012).

#### Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387).

#### Thermal hazards

No information.

### Environmental exposure controls

#### Substance/mixture related measures to prevent exposure

No information.

#### Instruction measures to prevent exposure

No information.

#### Organisational measures to prevent exposure

No information.

#### Technical measures to prevent exposure

Do not allow product to reach drains, sewage systems or ground water.

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## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1 Information on basic physical and chemical properties

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**Physical state**

liquid

**Colour**

colourless

**Odour**

No information.

**Important health, safety and environmental information**

<b>Odour threshold</b>	No information.
<b>pH</b>	7 at 20 °C, conc. 100 %
<b>Melting point/Freezing point</b>	No information.
<b>Initial boiling point/boiling range</b>	No information.
<b>Flash point</b>	No information.
<b>Evaporation rate</b>	No information.
<b>Flammability (solid, gas)</b>	No information.
<b>Explosion limits (vol%)</b>	No information.
<b>Vapour pressure</b>	No information.
<b>Vapour density</b>	No information.
<b>Density / weight</b>	No information.
<b>Solubility</b>	No information.
<b>Partition coefficient</b>	No information.
<b>Auto-ignition temperature</b>	No information.
<b>Decomposition temperature</b>	No information.
<b>Viscosity</b>	No information.
<b>Explosive properties</b>	No information.
<b>Oxidising properties</b>	No information.

### 9.2 OTHER INFORMATION

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No information.

## Section 10: STABILITY AND REACTIVITY

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### 10.1 Reactivity

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No information.

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## 10.2 Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

## 10.3 Possibility of hazardous reactions

No information.

## 10.4 Conditions to avoid

No information.

## 10.5 Incompatible materials

No information.

## 10.6 Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released.

## Section 11: Toxicological information

### 11.1 Information on toxicological effects

#### (a) Acute toxicity

##### For components

Name	Exposure route	Type	Species	Time	value	Method	Remark
<b>Water</b>	oral	LD <sub>50</sub>	rat	/	> 90 ml/kg	/	/
<b>2-Butoxyethanol</b>	oral	LD <sub>50</sub>	rat	/	560 mg/kg	/	/
<b>2-Butoxyethanol</b>	dermal	LD <sub>50</sub>	rabbit	/	1800 mg/kg	/	/
<b>2-Butoxyethanol</b>	oral	LD <sub>50</sub>	mouse	/	1200 mg/kg	/	/
<b>2-Butoxyethanol</b>	inhalation	LC <sub>50</sub>	rat	4 h	2400 mg/l	/	dust/aerosol

#### Additional information

The product is not classified for acute toxicity.

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**(b) Skin corrosion/irritation**

No information.

**Additional information**

The product is not classified as irritating to skin and eyes.

**(c) Serious eye damage/irritation**

No information.

**(d) Respiratory or skin sensitisation**

No information.

**Additional information**

The product is not classified as sensitising.

**(e) (Germ cell) mutagenicity**

No information.

**(f) Carcinogenicity**

No information.

**(g) Reproductive toxicity**

No information.

**Summary of evaluation of the CMR properties**

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

**(h) STOT-single exposure**

No information.

**Additional information**

STOT SE (single exposure): Not classified.

**(i) STOT-repeated exposure**

No information.

**Additional information**

STOT RE (repeated exposure): Not classified.

**(j) Aspiration hazard**

No information.

**Additional information**

Aspiration hazard: Not classified.

## Section 12: Ecological information

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### 12.1 Toxicity

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**Acute (short-term) toxicity**

No information.

**Chronic (long-term) toxicity**

No information.

### 12.2 Persistence and degradability

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**Abiotic degradation, physical- and photo-chemical elimination**

No information.

**Biodegradation**

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No information.

## 12.3 Bioaccumulative potential

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### Partition coefficient

No information.

### Bioconcentration factor (BCF)

No information.

## 12.4 Mobility in soil

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### Known or predicted distribution to environmental compartments

No information.

### Surface tension

No information.

### Adsorption/Desorption

No information.

## 12.5 Results of PBT and vPvB assessment

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No evaluation.

## 12.6 Other adverse effects

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No information.

## 12.7 Additional information

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### For product

Product is not classified as dangerous for environment. Do not allow to reach ground water, water courses or sewage system.

## Section 13: Disposal considerations

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### 13.1 Waste treatment methods

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#### Product / Packaging disposal

##### Waste chemical

Do not allow product to reach drains/sewage systems. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste.

##### Waste codes / waste designations according to LoW

No information.

##### Packaging

Deliver completely emptied containers to approved waste disposal authorities. Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents.

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**Waste codes / waste designations according to LoW**

No information.

**Waste treatment-relevant information**

No information.

**Sewage disposal-relevant information**

No information.

**Other disposal recommendations**

No information.

## Section 14: Transport information

ADR/RID	IMDG	IATA	ADN
<b>14.1 UN number</b>			
Not dangerous according to transport regulations.	Not dangerous according to transport regulations.	Not dangerous according to transport regulations.	Not dangerous according to transport regulations.
<b>14.2 UN proper shipping name</b>			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
<b>14.3 Transport hazard class(es)</b>			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
<b>14.4 Packing group</b>			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
<b>14.5 Environmental hazards</b>			
NO	NO	NO	NO
<b>14.6 Special precautions for user</b>			
Limited quantities Not given/not applicable	Limited quantities Not given/not applicable		Limited quantities Not given/not applicable
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable

## Section 15: Regulatory information

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## 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

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- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2015/830)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

### Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

not applicable

### Regulation EC 648/2004 on detergents

No information.

### Special instructions

Observe the regulations on employment and protection against dangerous substances for young people, pregnant women and nursing mothers.

## 15.2 Chemical Safety Assessment

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No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## Section 16: Other information

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### Indication of changes

2.2 Label elements 3.2 Mixtures 8.1 Control parameters 9.1 Information on basic physical and chemical properties

### Key literature references and sources for data

No information.

### Abbreviations and acronyms

ATE - Acute Toxicity Estimate

ADR - Agreement concerning the International Carriage of Dangerous Goods by Road

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

CEN - European Committee for Standardisation

C&L - Classification and Labelling

CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

CAS# - Chemical Abstracts Service number

CMR - Carcinogen, Mutagen, or Reproductive Toxicant

CSA - Chemical Safety Assessment

CSR - Chemical Safety Report

DMEL - Derived Minimal Effect Level

DNEL - Derived No Effect Level

DPD - Dangerous Preparations Directive 1999/45/EC

DSD - Dangerous Substances Directive 67/548/EEC

DU - Downstream User

EC - European Community

ECHA - European Chemicals Agency

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EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)  
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)  
EEC - European Economic Community  
EINECS - European Inventory of Existing Commercial Substances  
ELINCS - European List of notified Chemical Substances  
EN - European Standard  
EQS - Environmental Quality Standard  
EU - European Union  
Euphrac - European Phrase Catalogue  
EWC - European Waste Catalogue (replaced by LoW - see below)  
GES - Generic Exposure Scenario  
GHS - Globally Harmonized System  
IATA - International Air Transport Association  
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air  
IMDG - International Maritime Dangerous Goods  
IMSBC - International Maritime Solid Bulk Cargoes  
IT - Information Technology  
IUCLID - International Uniform Chemical Information Database  
IUPAC - International Union for Pure Applied Chemistry  
JRC - Joint Research Centre  
Kow - octanol-water partition coefficient  
LC50 - Lethal Concentration to 50 % of a test population  
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)  
LE - Legal Entity  
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)  
LR - Lead Registrant  
M/I - Manufacturer / Importer  
MS - Member States  
MSDS - Material Safety Data Sheet  
OC - Operational Conditions  
OECD - Organization for Economic Co-operation and Development  
OEL - Occupational Exposure Limit  
OJ - Official Journal  
OR - Only Representative  
OSHA - European Agency for Safety and Health at work  
PBT - Persistent, Bioaccumulative and Toxic substance  
PEC - Predicted Effect Concentration  
PNEC(s) - Predicted No Effect Concentration(s)  
PPE - Personal Protection Equipment  
(Q)SAR - Qualitative Structure Activity Relationship  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
RIP - REACH Implementation Project  
RMM - Risk Management Measure  
SCBA - Self-Contained Breathing Apparatus  
SDS - Safety data sheet  
SIEF - Substance Information Exchange Forum  
SME - Small and Medium sized Enterprises  
STOT - Specific Target Organ Toxicity  
(STOT) RE - Repeated Exposure  
(STOT) SE - Single Exposure  
SVHC - Substances of Very High Concern

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UN - United Nations

vPvB - Very Persistent and Very Bioaccumulative

**List of relevant H phrases**

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.