

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 08.01.2018

Version number 203

Revision: 05.01.2018

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

### - 1.1 Product identifier

- Trade name Planenreiniger Glanzschutz

- Article number: LOS7950

- 1.2 Relevant identified uses of the substance or mixture and uses advised against  
No further relevant information available.

- Application of the substance / the mixture Cleaning agent / Cleaner

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

- Manufacturer/Supplier:

EURO-LOCK Vertriebs-GmbH

Nordweststr. 3

D-59387 Ascheberg

Phone: + 49(0)2593 95887-0

Fax: + 49(0)2593 95887-29

- Informing department:

Tel.: + 49(0)2593 95887-0

E-mail: info@euro-lock.de

- 1.4 Emergency telephone number:

+ 49(0)2593 95887-0

Monday - Thursday 8:00 - 17:00 CET, Friday 8:00 - 13:00 CET

## SECTION 2: Hazards identification

### - 2.1 Classification of the substance or mixture

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

Met. Corr.1 H290 May be corrosive to metals.

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

### - 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

- Hazard pictograms



GHS05

- Signal word *Danger*

- Hazard-determining components of labelling:

sodium hydroxide

- Hazard statements

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

- Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P310 Immediately call a POISON CENTER/doctor.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of the substances listed below with harmless additions (aqueous solution).

- **Dangerous components:**

CAS: 1310-73-2 EINECS: 215-185-5 Reg.nr.: 01-2119457892-27	sodium hydroxide Met. Corr. 1, H290; Skin Corr. 1A, H314; Eye Dam. 1, H318	2.5-10%
CAS: 69011-36-5 NLP: 500-241-6 Reg.nr.: 01-2119976362-32	Isotridecanol, ethoxylated Eye Dam. 1, H318; Acute Tox. 4, H302	2.5-10%
CAS: 15763-76-5 EINECS: 239-854-6 Reg.nr.: 01-2119489411-37	sodium p-cumenesulphonate Eye Irrit. 2, H319	< 2.5%
CAS: 110615-47-9 Polymer Reg.nr.: 01-2119489418-23	Alkylpolyglycoside Eye Dam. 1, H318; Skin Irrit. 2, H315	< 2.5%

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

- **Composition/Ingredients**

Constituents according to EC-Regulation 648/2004:

- 5 - 15 % non-ionic surfactants,
- < 5 % amphoteric surfactants,
- < 5 % anionic surfactants,
- < 5 % polycarboxylates,
- < 5 % phosphonates
- perfumes

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**  
Remove contaminated clothing immediately. Wash affected areas with plenty of water und soap. If irritation continues, contact a doctor.
- **After eye contact**  
Rinse immediately opened eye for several minutes under running water. Then consult doctor.
- **After swallowing**  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting. Drink plenty of water. Call for medical help.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.

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- 4.3 Indication of any immediate medical attention and special treatment needed**  
*No further relevant information available.*
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### SECTION 5: Firefighting measures

- 5.1 Extinguishing media**  
**- Suitable extinguishing agents**  
*Use fire fighting measures that suit the environment.*  
*CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.*
- 5.2 Special hazards arising from the substance or mixture** *No further relevant information available.*
- 5.3 Advice for firefighters**  
**- Protective equipment:**  
*See section 8.*  
*Wear full protective suit with self-contained breathing apparatus.*
- Additional information** *Collect contaminated fire fighting water separately. It must not enter drains.*
- 

### SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures**  
*Avoid eye and skin contact.*  
*Wear protective equipment and keep unprotected persons away.*
- 6.2 Environmental precautions:**  
*Do not allow product to reach sewage system or water bodies.*  
*Do not allow to enter the ground/soil.*  
*Dilute with much water.*  
*If large amounts are released, the authorities must be informed.*
- 6.3 Methods and material for containment and cleaning up:**  
*Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).*  
*Use neutralising agent.*  
*Dispose of contaminated material as waste according to item 13.*  
*Residues: rinse away with plenty of water.*
- 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**  
*Keep containers tightly sealed.*  
*Avoid contact with eyes and skin.*  
*Prevent formation of aerosols.*  
*Work with low pressure for spraying.*
- Information about protection against explosions and fires:** *No special measures required.*
- 7.2 Conditions for safe storage, including any incompatibilities**  
**- Storage** *Store in cool, dry conditions in well sealed containers.*
- Requirements to be met by storerooms and containers:**  
*Observe official regulations on storage and handling of water hazardous substances*  
*Store in original containers or in PE-containers.*  
*Unsuitable material for container: aluminium.*
- Information about storage in one common storage facility:** *Not required.*
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- **Storage class 8 B L** (VCI - Konzept, 2007)
- **7.3 Specific end use(s)** Industrial processing

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

#### - 8.1 Control parameters

- **Components with critical values that require monitoring at the workplace:**

#### 1310-73-2 sodium hydroxide (2.5-10%)

WEL Short-term value: 2 mg/m<sup>3</sup>

#### - DNELs

#### 1310-73-2 sodium hydroxide

Oral	DNEL (worker)	2.3 mg/kg bw/day (Long-term - systemic effects)
Dermal	DNEL (population)	11718 mg/kg bw/day (Long-term - systemic effects)
	DNEL (worker)	< 2 % wt. (Acute - local effects)
Inhalative		11718 mg/kg bw/day (Long-term - systemic effects)
	DNEL (population)	2.5 mg/m <sup>3</sup> (Acute - local effects)
	DNEL (worker)	5.7 mg/m <sup>3</sup> (Long-term - systemic effects)
		2.1 mg/m <sup>3</sup> (Long-term - systemic effects)
		1 mg/m <sup>3</sup> (Long-term - local effects) (most sensitive endpoint: Irritation)

#### 15763-76-5 sodium p-cumenesulphonate

Oral	DNEL (population)	3.8 mg/kg bw/day (Long-term - systemic effects)
Dermal	DNEL (population)	3.8 mg/kg bw/day (Long-term - systemic effects)
	DNEL (worker)	7.6 mg/kg bw/day (Long-term - systemic effects)
Inhalative	DNEL (population)	13.2 mg/m <sup>3</sup> (Long-term - systemic effects)
	DNEL (worker)	53.6 mg/m <sup>3</sup> (Long-term - systemic effects)

#### 110615-47-9 Alkylpolyglycoside

Oral	DNEL (population)	35.7 mg/kg bw/day (Long-term - systemic effects)
Dermal	DNEL (population)	357000 mg/kg bw/day (Long-term - systemic effects)
	DNEL (worker)	595000 mg/kg bw/day (Long-term - systemic effects)
Inhalative	DNEL (population)	124 mg/m <sup>3</sup> (Long-term - systemic effects)
	DNEL (worker)	420 mg/m <sup>3</sup> (Long-term - systemic effects)

#### - PNECs

#### 1310-73-2 sodium hydroxide

PNEC STP	51 mg/l (n.a.)
PNEC aqua	6.4 mg/l (fresh water)
	0.64 mg/l (marine water)
	3.1 mg/l (intermittent releases)
PNEC sediment	2.3 mg/kg dw (marine water)
PNEC soil	23 mg/kg dw (fresh water)
	0.853 mg/kg dw (soil)

#### 15763-76-5 sodium p-cumenesulphonate

PNEC STP	100 mg/l (380)
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PNEC aqua	0.23 mg/l (fresh water) 2.3 mg/l (intermittent releases)
<b>110615-47-9 Alkylpolyglycoside</b>	
PNEC STP	5000 mg/l (sewage treatment plant)
PNEC aqua	0.176 mg/l (fresh water) 0.018 mg/l (marine water) 0.0295 mg/l (intermittent releases)
PNEC sediment	1.516 mg/kg dw (fresh water) 0.065 mg/kg dw (marine water)
PNEC soil	0.654 mg/kg dw (soil)

- **Additional information:** The lists that were valid during the compilation were used as basis.

#### - 8.2 Exposure controls

##### - Personal protective equipment

##### - General protective and hygienic measures

Keep away from food, beverages and fodder.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Gases, fumes and aerosols should not be inhaled.

- **Breathing equipment:** Use breathing protection only when aerosol or mist is formed.

- **Recommended filter device for short term use:**

Combination filter AB-P2

Take care of limitations and rules for the use of breathing protection equipment (BGR 190).

- **Protection of hands:** Protective gloves.

##### - Material of gloves

Butylrubber, BR, recommended thickness of the material:  $\geq 0.7$  mm, penetration time:  $\geq 480$  min.

Nitrile rubber, NBR, recommended thickness of the material:  $\geq 0.4$  mm, penetration time:  $\geq 480$  min.

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.

##### - Penetration time of glove material

Pay attention to information supplied by the manufacturer of gloves (permeation rate and penetration times) just as to workplace-specific conditions (mechanical stress, wearing duration).

Change gloves if notice sign of disenchantment.

- **Eye protection:** Tightly sealed safety glasses.

##### - Body protection:

Standard protective working clothes, chemical resistant safety-shoes or wellingtons. If skin contact is possible, wear impenetrable protective clothing.

Alkaline resistant protective clothing

## SECTION 9: Physical and chemical properties

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

##### - General Information

##### - Appearance:

**Form:** Fluid

**Colour:** Yellow

- **Smell:** Weak, characteristic

- **Odour threshold:** Not determined.

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- <b>pH-value (10 g/l) at 20 °C:</b>	12,3
- <b>Change in condition</b>	
<b>Melting point/freezing point:</b>	Not determined
<b>Initial boiling point and boiling range:</b>	> 100 °C
- <b>Flash point:</b>	Product is non-flammable nor potentially explosive
- <b>Inflammability (solid, gaseous)</b>	Not applicable.
- <b>Decomposition temperature:</b>	Not determined.
- <b>Self-inflammability:</b>	Product is not selfigniting.
- <b>Explosive properties:</b>	Product is not potentially explosive
- <b>Critical values for explosion:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
- <b>Vapour pressure:</b>	Not determined.
- <b>Density at 20 °C</b>	1,17 g/cm <sup>3</sup>
- <b>Relative density at 20 °C</b>	1,17
- <b>Vapour density</b>	Not determined.
- <b>Evaporation rate</b>	Not determined.
- <b>Solubility in / Miscibility with Water:</b>	Fully miscible
- <b>Partition coefficient: n-octanol/water:</b>	Not determined.
- <b>Viscosity:</b>	
<b>dynamic:</b>	Not determined.
<b>kinematic:</b>	Not determined.
- <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**  
Reacts with light alloys to form hydrogen  
Exothermic reaction with acids
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**  
Strong acids  
strong oxidizing agents  
Aluminium, zinc and other light metals.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

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### SECTION 11: Toxicological information

#### - 11.1 Information on toxicological effects

- **Acute toxicity** Based on available data, the classification criteria are not met.

#### - LD/LC50 values that are relevant for classification:

##### 1310-73-2 sodium hydroxide

Oral	LD50	2000 mg/kg (rat)
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##### 69011-36-5 Isotridecanol, ethoxylated

Oral	LD50	500-2000 mg/kg (rat) (OECD 423)
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Dermal	LD50	> 2000 mg/kg (rab)
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##### 15763-76-5 sodium p-cumenesulphonate

Oral	LD50	> 2000 mg/kg (rat)
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Dermal	LD50	> 2000 mg/kg (rab)
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Inhalative	LC 50 / 4 h	> 5 mg/l (rat)
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##### 110615-47-9 Alkylpolyglycoside

Oral	LD50	> 2000 mg/kg (rat)
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Dermal	LD50	> 2000 mg/kg (rabbit)
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#### - Primary irritant effect:

#### - Skin corrosion/irritation

Causes severe skin burns and eye damage.

#### - Serious eye damage/irritation

Causes severe skin burns and eye damage.

- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

#### - Subacute to chronic toxicity:

#### - STOT-repeated exposure:

##### 110615-47-9 Alkylpolyglycoside

Oral	NOEL	1000 mg/kg (rat)
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#### - Additional toxicological information:

Product removes lipid skin film even in diluted solution. Prolonged or repeated contact may cause skin irritation.

#### - CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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

- **Reproductive toxicity** Based on available data, the classification criteria are not met.

- **STOT-single exposure** Based on available data, the classification criteria are not met.

- **STOT-repeated exposure** Based on available data, the classification criteria are not met.

- **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

#### - 12.1 Toxicity

#### - Aquatic toxicity:

##### 1310-73-2 sodium hydroxide

EC 50 / 48 h	40.4 mg/l (shellfish)
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LC 50 / 96 h	33 - 196 mg/l (fish)
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<b>69011-36-5 Isotridecanol, ethoxylated</b>	
EC 50 / 48 h	>1-10 mg/l ( <i>Daphnia magna</i> ) 1 - 10 mg/l (Aquatic invertebrates)
EC 50 / 72 h	1 - 10 mg/l (Algae) >1-10 mg/l ( <i>Desmodesmus subspicatus</i> )
LC 50 / 96 h	1 - 10 mg/l ( <i>Leuciscus idus</i> ) >1-10 mg/l ( <i>Cyprinus carpio</i> )
<b>15763-76-5 sodium p-cumenesulphonate</b>	
EC 50 / 3 h	> 1000 mg/l (activated sludge (method OECD 209))
EC 50 / 48 h	> 100 mg/l ( <i>Daphnia magna</i> )
EC 50 / 72 h	> 100 mg/l ( <i>Desmodesmus subspicatus</i> )
LC 50 / 96 h	> 100 mg/l (fish)
<b>110615-47-9 Alkylpolyglycoside</b>	
EC 50 / 48 h	> 7 mg/l ( <i>Daphnia magna</i> )
EC 50 / 72 h	19 mg/l ( <i>Scenedesmus subspicatus</i> )
LC 50 / 24 h	300 mg/l (fish)
LC 50 / 96 h	2.95 mg/l ( <i>Brachydanio rerio</i> )
NOEC	1.8 mg/l ( <i>Brachydanio rerio</i> ) (28 d) 1 mg/l ( <i>Daphnia magna</i> ) (21 d)

**- 12.2 Persistence and degradability**

The surfactant(s) contained in this preparation complies(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.

<b>69011-36-5 Isotridecanol, ethoxylated</b>	
BiAS - Elimination	≥ 90 % (OECD 301 E) (OECD 301 E)
CO2 - Entwicklung	> 60 % (OECD 301 B) (28 d, OECD 301 B, ISO 9439)
<b>15763-76-5 sodium p-cumenesulphonate</b>	
Biolog. Abbaubarkeit	> 60 % (OECD 301 B)
<b>110615-47-9 Alkylpolyglycoside</b>	
Biodegradation	88 % (n.a.) (28 d)

- **12.3 Bioaccumulative potential** No further relevant information available.

- **12.4 Mobility in soil** No further relevant information available.

**- Ecotoxicological effects:**

<b>- Respiratory inhibition of communal activated sludge EC 20 (mg/l according to ISO 8192 B):</b>	
<b>69011-36-5 Isotridecanol, ethoxylated</b>	
EC 10 / 17 h	> 10000 mg/l (Bacteria) (DIN 38412 Teil 8)

**- Additional ecological information:****- General notes:**

The product contains no organic halogen compounds (AOX).

The product contains no organic complexing agents, which are not biodegradable (DOC elimination > 80 % within 28 d)

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

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

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

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

### SECTION 13: Disposal considerations

#### - 13.1 Waste treatment methods

The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.

#### - Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Contact manufacturer for recycling information.

When appropriately used, the product should end up as sewage.

Waste water has to be neutralized with suitable acidic material. Adjust pH value.

#### - Waste disposal key number:

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

- **Uncleaned packagings:** Disposal must be made according to official regulations.

#### - Recommendation:

Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging.

Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

### SECTION 14: Transport information

<p>- <b>14.1 UN-Number</b> - <b>ADR, IMDG, IATA</b></p>	<p>UN1719</p>
<p>- <b>14.2 UN proper shipping name</b> - <b>ADR</b> - <b>IMDG, IATA</b></p>	<p>1719 CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE) CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE)</p>
<p>- <b>14.3 Transport hazard class(es)</b> - <b>ADR</b> - <b>Class</b> - <b>Label</b></p>	<p>8 (C5) Corrosive substances. 8</p>
<p>- <b>IMDG, IATA</b> - <b>Class</b> - <b>Label</b></p>	<p>8 Corrosive substances. 8</p>
<p>- <b>14.4 Packing group</b> - <b>ADR, IMDG, IATA</b></p>	<p>II</p>
<p>- <b>14.5 Environmental hazards:</b> - <b>Marine pollutant:</b></p>	<p>Not applicable. No</p>
<p>- <b>14.6 Special precautions for user</b> - <b>Kemler Number:</b> - <b>EMS Number:</b></p>	<p>Warning: Corrosive substances. 80 F-A,S-B</p>

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- <b>Segregation groups</b>	Alkalis
- <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
<b>- Transport/Additional information:</b>	
<b>- ADR</b>	
- Limited quantities (LQ)	1L
- Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
- Transport category	2
- Tunnel restriction code	E
<b>- IMDG</b>	
- Limited quantities (LQ)	1L
- Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
- <b>UN "Model Regulation":</b>	UN1719, CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE), 8, II

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms**



GHS05

- **Signal word** Danger

- **Hazard-determining components of labelling:**

sodium hydroxide

- **Hazard statements**

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

- **Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
  - **National regulations**
  - **Information about limitation of use:**  
Employment restrictions concerning young persons must be observed.
  - **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.
- 

### SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Application:** Directions for use: please refer to the Technical Information Sheet
- **Relevant phrases**  
Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.  
H290 May be corrosive to metals.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.
- **Department issuing data specification sheet:** see item 1: Informing department

#### - **Abbreviations and acronyms:**

NOAEL: No Observed Adverse Effect Level  
 RPE: Respiratory Protective Equipment  
 RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)  
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
 CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)  
 ISO: International Organisation for Standardisation  
 DNEL: Derived No-Effect Level (REACH)  
 PNEC: Predicted No-Effect Concentration (REACH)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 vPvB: very Persistent and very Bioaccumulative  
 Met. Corr. 1: Corrosive to metals – Category 1  
 Acute Tox. 4: Acute toxicity – Category 4  
 Skin Corr. 1A: Skin corrosion/irritation – Category 1A  
 Skin Irrit. 2: Skin corrosion/irritation – Category 2  
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

- \* **Data compared to the previous version altered.**