

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 10.07.2017

Version number 104

Revision: 10.07.2017

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****- 1.1 Product identifier****- Trade name:** Power-Cleaner**- Article number:** LOS8900**- 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**

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious 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:**

alkylbenzene sulfonic acid, sodium salt

disodium metasilicate

**- Hazard statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

**- Precautionary statements**

P102 Keep out of reach of children.

P264 Wash thoroughly after handling.

P280 Wear protective gloves / eye protection / face protection.

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.

P321 Specific treatment (see on this label).

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- **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: 15763-76-5 EINECS: 239-854-6 Reg.nr.: 01-2119489411-37	sodium p-cumenesulphonate ----- Eye Irrit. 2, H319	2.5-10%
CAS: 90194-45-9 EINECS: 290-656-6	alkylbenzene sulfonic acid, sodium salt ----- Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315	2.5-10%
CAS: 6834-92-0 EINECS: 229-912-9 Reg.nr.: 01-2119449811-37	disodium metasilicate ----- Met. Corr. 1, H290; Skin Corr. 1B, H314; STOT SE 3, H335	< 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 % anionic surfactants,
- < 5 % non-ionic surfactants,
- < 5 % phosphonates

Perfumes (Limonene),,

further components: silicates, complexing agents, dispersing agents and colouring agents.

### 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; instantly call for medical help.
- **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**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

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- **5.2 Special hazards arising from the substance or mixture**  
*Formation of toxic gases is possible during heating or in case of fire.*
- **5.3 Advice for firefighters**
- **Protective equipment:** *Adjust protective clothing to surrounding fire.*
- **Additional information**  
*Endangered containers in the surrounding area should be cooled with a water-hose.  
 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**  
*Wear protective equipment. Keep off unprotected persons  
 Avoid eye and skin contact.*
- **6.2 Environmental precautions:**  
*Do not allow to enter the ground/soil.  
 Do not allow product to reach sewage system or water bodies.  
 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).  
 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 or skin.*
- **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.*
- **Information about storage in one common storage facility:** *Not required.*
- **Storage class** *12 (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:** *None*

- **DNELs**

**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)

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Inhalative	DNEL (worker)	7.6 mg/kg bw/day (Long-term - systemic effects)
	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)
<b>6834-92-0 disodium metasilicate</b>		
Oral	DNEL (population)	0.74 mg/kg bw/day (Long-term - systemic effects)
Dermal	DNEL (population)	0.74 mg/kg bw/day (Long-term - systemic effects)
	DNEL (worker)	1.49 mg/kg bw/day (Long-term - systemic effects)
Inhalative	DNEL (population)	1.55 mg/m <sup>3</sup> (Long-term - systemic effects)
	DNEL (worker)	6.22 mg/m <sup>3</sup> (Long-term - systemic effects)

**- PNECs**

**15763-76-5 sodium p-cumenesulphonate**

PNEC STP	100 mg/l (380)
PNEC aqua	0.23 mg/l (fresh water)
	2.3 mg/l (intermittent releases)

**6834-92-0 disodium metasilicate**

PNEC aqua	7.5 mg/l (fresh water)
	1 mg/l (marine water)
	1000 mg/l (380)

- **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**

The usual precautionary measures should be adhered to in handling the chemicals.

Keep away from food, beverages and fodder.

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

Instantly remove any soiled and impregnated garments.

Avoid contact with the eyes and skin.

- **Breathing equipment:** Not necessary if room is well-ventilated.

**- Protection of hands:**

Protective gloves.

Check the permeability prior to each renewed use of the glove.

**- Material of gloves**

Butyl rubber, BR

Natural rubber, NR

Nitrile rubber, NBR

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**

Note information regarding permeation rate, penetration times and the degradation supplied by the manufacturer of gloves just as workplace-specific conditions.

Change gloves if notice sign of disenchantment.

Material of gloves is recommended for a short-term single use to protect from splashes. For permanent usage contact manufacturer of gloves.

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

- **Body protection:** Protective work clothing.

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**SECTION 9: Physical and chemical properties**

<b>- 9.1 Information on basic physical and chemical properties</b>	
<b>- General Information</b>	
<b>- Appearance:</b>	
Form:	Fluid
Colour:	Blue
- Smell:	citrus like
- Odour threshold:	Not determined.
- pH-value (10 g/l) at 20 °C:	ca. 11.4
<b>- Change in condition</b>	
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	> 100 °C
- Flash point:	Product is non-flammable nor potentially explosive
- Self-inflammability:	Product is not selfigniting.
- Explosive properties:	Product is not potentially explosive
- Density at 20 °C	1.03 g/cm <sup>3</sup>
- Evaporation rate	Not determined.
- Solubility in / Miscibility with Water:	Fully miscible
- Partition coefficient: n-octanol/water:	Not determined.
- Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
- 9.2 Other information	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: Strong acids
- 10.6 Hazardous decomposition products: No dangerous decomposition products known

**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:

**15763-76-5 sodium p-cumenesulphonate**

Oral	LD50	> 2000 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rab)

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Inhalative	LC 50 / 4 h	> 5 mg/l (rat)
<b>90194-45-9 alkylbenzene sulfonic acid, sodium salt</b>		
Oral	LD50	1086-1980 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rat)
<b>6834-92-0 disodium metasilicate</b>		
Oral	LD50	1152-1349 mg/kg (rat)
Dermal	LD50	> 5000 mg/kg (rat)
Inhalative	LC 50 / 4 h	> 2.06 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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**

<b>- Aquatic toxicity:</b>	
<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 (Daphnia magna)
EC 50 / 72 h	> 100 mg/l (Desmodesmus subspicatus)
LC 50 / 96 h	> 100 mg/l (fish)
<b>90194-45-9 alkylbenzene sulfonic acid, sodium salt</b>	
EC 50 / 48 h	1-10 mg/l (Daphnia magna)
EC 50 / 72 h	1-10 mg/l (Algae)
LC 50 / 96 h	1-10 mg/l (Lepomis macrochirus)
<b>6834-92-0 disodium metasilicate</b>	
EC 50 / 48 h	1700 mg/l (Daphnia magna)
EC 50 / 72 h	> 345 mg/l (Desmodesmus subspicatus) (DIN 38412 T9)
LC 50 / 96 h	210 mg/l (Brachydanio rerio) (OECD 203)

**- 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.

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- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **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.
- **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 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:**
- **Recommendation:**  
 Containers may be completely emptied and cleaned and send to be reconditioned or recycled.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

**SECTION 14: Transport information**

- <b>14.1 UN-Number</b>	
- <b>ADR, IMDG, IATA</b>	Void
- <b>14.2 UN proper shipping name</b>	
- <b>ADR, IMDG, IATA</b>	Void
- <b>14.3 Transport hazard class(es)</b>	
- <b>ADR, IMDG, IATA</b>	
- <b>Class</b>	Void
- <b>14.4 Packing group</b>	
- <b>ADR, IMDG, IATA</b>	Void
- <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.

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- <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**
- **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:**  
*alkylbenzene sulfonic acid, sodium salt*  
*disodium metasilicate*
- **Hazard statements**  
*H315 Causes skin irritation.*  
*H318 Causes serious eye damage.*
- **Precautionary statements**  
*P102 Keep out of reach of children.*  
*P264 Wash thoroughly after handling.*  
*P280 Wear protective gloves / eye protection / face protection.*  
*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.*  
*P321 Specific treatment (see on this label).*
- **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.*

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*H335 May cause respiratory irritation.***- Department issuing data specification sheet: see item 1: Informing department****- Abbreviations and acronyms:***RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)**ICAO: International Civil Aviation Organisation**LEV: Local Exhaust Ventilation**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)**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. 1B: Skin corrosion/irritation – Category 1B**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**STOT SE 3: Specific target organ toxicity (single exposure) – Category 3***- \* Data compared to the previous version altered.**