

## Safety data sheet

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

Printing date 18.01.2023

Version number 113.01

Revision: 18.01.2023

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

### - 1.1 Product identifier

- Trade name **Cleaner 02**

- UFI: RH30-X03V-C00V-XP9X

### - 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** Alkaline cleaner/ detergent

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

- **Manufacturer/Supplier:**

PERKUTE - Maschinenbau GmbH

Düsterbergstr. 10

D-48432 Rheine

Tel. ++ 49 / 59 71 / 80 81 68 - 0

Fax ++ 49 / 59 71 / 80 81 68 - 1

E-Mail: info@perkute.de

- **Informing department:** Product safety department

### - 1.4 Emergency telephone number:

This is an English-language document designed for the European region. For the emergency number and other country-specific data, please refer to the specific national versions of this safety data sheet.

Counselling Centre for Poisoning, Mainz

Tel. (+49) 61 31 / 19 240.

## SECTION 2: Hazards identification

### - 2.1 Classification of the substance or mixture

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

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

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:**

sodium hydroxide

- **Hazard statements**

H314 Causes severe skin burns and eye damage.

- **Precautionary statements**

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 [or 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/-

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

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- **vPvB**: Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**- **Description**: Mixture of the following components- **Dangerous components**:

CAS: 1310-73-2	sodium hydroxide	≥5-≤10%
EINECS: 215-185-5	Met. Corr.1, H290; Skin Corr. 1A, H314; Eye Dam. 1, H318	
Index number: 011-002-00-6	Specific concentration limits: Skin Corr. 1A; H314: C ≥ 5 %	
Reg.nr.: 01-2119457892-27	Skin Corr. 1B; H314: 2 % ≤ C < 5 %	
	Skin Irrit. 2; H315: 0.5 % ≤ C < 2 %	
	Eye Irrit. 2; H319: 0.5 % ≤ C < 2 %	

- **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

phosphates, phosphonates

&lt;5%

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

Constituents according to EC-Regulation 648/2004:

&lt; 5 % phosphates,

&lt; 5 % phosphonates

weitere Inhaltsstoffe: Ätzalkalien, Silikate, Salze organischer Säuren

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**- **General advice**:

Instantly remove any clothing soiled by the product.

In case of unconsciousness bring patient into stable side position for transport.

- **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**

Call a doctor immediately.

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**

Burning and pain of the eyes, skin and mucous membranes. After swallowing, strong irritant effect on the oral cavity and pharynx as well as danger of perforation of the oesophagus.

- **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** Use fire fighting measures that suit the environment.- **5.2 Special hazards arising from the substance or mixture**

Depending on fire conditions, traces of harmful gases cannot be excluded.

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- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment and keep unprotected persons away.  
Ensure adequate ventilation
- **6.2 Environmental precautions:**  
Do not allow to enter drainage system, surface or ground water.  
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.  
Ensure adequate ventilation.
- **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** Avoid contact with eyes and 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:** Do not store together with acids.
- **Further information about storage conditions:** Do not store below 0°C.
- **Storage class** 8 B L (VCI - Konzept, 2007)
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **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.

#### - DNELs

#### 1310-73-2 sodium hydroxide

Inhalative	DNEL (worker)	1 mg/m <sup>3</sup> (Long-term - local effects) (most sensitive endpoint: Irritation)
	DNEL (population)	1 mg/m <sup>3</sup> (Long-term - local effects)

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

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**- 8.2 Exposure controls**

- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as 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.

**- Hand protection**

Protective gloves (EN 374).  
Alkaline resistant gloves

**- Material of gloves**

Butyl rubber, BR  
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**

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

**- Eye/face 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.

## SECTION 9: Physical and chemical properties

**- 9.1 Information on basic physical and chemical properties****- General Information**

- <b>Colour:</b>	Light yellow
- <b>Smell:</b>	Characteristic
- <b>Melting point/freezing point:</b>	Not determined
- <b>Boiling point or initial boiling point and boiling range</b>	>100 °C
- <b>Flash point:</b>	Product is non-flammable nor potentially explosive
- <b>pH at 20 °C</b>	11.8
- <b>pH-value:</b>	
- <b>Viscosity:</b>	
- <b>Kinematic viscosity</b>	Not determined.
- <b>dynamic:</b>	Not determined.
- <b>Solubility</b>	
- <b>Water:</b>	Fully miscible
- <b>Vapour pressure at 20 °C:</b>	23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)
- <b>Density and/or relative density</b>	
- <b>Density at 20 °C</b>	1.34 g/cm <sup>3</sup>

**- 9.2 Other information**

- **Appearance:**
- **Form:** Fluid

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#### - Important information on protection of health and environment, and on safety.

- **Self-inflammability:** Product is not selfigniting.
- **Explosive properties:** Product is not potentially explosive

#### - Information with regard to physical hazard classes

- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids** Void
- **Flammable solids** Void
- **Self-reactive substances and mixtures** Void
- **Pyrophoric liquids** Void
- **Pyrophoric solids** Void
- **Self-heating substances and mixtures** Void
- **Substances and mixtures, which emit flammable gases in contact with water** Void
- **Oxidising liquids** Void
- **Oxidising solids** Void
- **Organic peroxides** Void
- **Corrosive to metals** Void
- **Desensitised explosives** Void

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **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 hazardous reactions known if stored and applied as directed.  
Reacts with light alloys to form hydrogen
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**  
Strong acids  
light metal salts
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Skin corrosion/irritation**  
Causes severe skin burns and eye damage.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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- **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.
- **11.2 Information on other hazards**

- <b>Endocrine disrupting properties</b>
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None of the ingredients is listed.
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### SECTION 12: Ecological information

#### - 12.1 Toxicity

- <b>Aquatic toxicity:</b>
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<b>1310-73-2 sodium hydroxide</b>
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LC 50 / 96 h	196 mg/l (fish)
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EC 50 / 48 h	40.4 mg/l (shellfish)
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- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

### 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.

#### - **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.

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#### SECTION 14: Transport information

<ul style="list-style-type: none"> <li>- 14.1 UN number or ID number</li> <li>- ADR/RID/ADN, IMDG, IATA</li> </ul>	<p style="margin: 0;">UN3266</p>
<ul style="list-style-type: none"> <li>- 14.2 UN proper shipping name</li> <li>- ADR/RID/ADN</li> <li>- IMDG, IATA</li> </ul>	<p style="margin: 0;">3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE) CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE)</p>
<ul style="list-style-type: none"> <li>- 14.3 Transport hazard class(es)</li> <li>- ADR/RID/ADN</li> <li>- Class</li> <li>- Label</li> </ul>	<p style="margin: 0;">8 (C5) Corrosive substances. 8</p>
<ul style="list-style-type: none"> <li>- IMDG, IATA</li> <li>- Class</li> <li>- Label</li> </ul>	<p style="margin: 0;">8 Corrosive substances. 8</p>
<ul style="list-style-type: none"> <li>- 14.4 Packing group</li> <li>- ADR/RID/ADN, IMDG, IATA</li> </ul>	<p style="margin: 0;">II</p>
<ul style="list-style-type: none"> <li>- 14.5 Environmental hazards:</li> <li>- Marine pollutant:</li> </ul>	<p style="margin: 0;">No</p>
<ul style="list-style-type: none"> <li>- 14.6 Special precautions for user</li> <li>- Kemler Number:</li> <li>- EMS Number:</li> <li>- Segregation groups</li> <li>- Stowage Category</li> <li>- Stowage Code</li> <li>- Segregation Code</li> </ul>	<p style="margin: 0;">Warning: Corrosive substances. 80 F-A, S-B Alkalis B SW2 Clear of living quarters. SG35 Stow "separated from" SGG1-acids</p>
<ul style="list-style-type: none"> <li>- 14.7 Maritime transport in bulk according to IMO instruments</li> </ul>	<p style="margin: 0;">Not applicable.</p>
<ul style="list-style-type: none"> <li>- Transport/Additional information:</li> <li>- ADR/RID/ADN</li> <li>- Limited quantities (LQ)</li> <li>- Excepted quantities (EQ)</li> </ul>	<p style="margin: 0;">1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml</p>
<ul style="list-style-type: none"> <li>- IMDG</li> <li>- Limited quantities (LQ)</li> <li>- Excepted quantities (EQ)</li> </ul>	<p style="margin: 0;">1L Código E4 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml</p>
<ul style="list-style-type: none"> <li>- UN "Model Regulation":</li> </ul>	<p style="margin: 0;">UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE), 8, II</p>

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### 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**

H314 Causes severe skin burns and eye damage.

- **Precautionary statements**

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 [or 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/-

- **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- **REGULATION (EU) 2019/1148**

- **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

- **National regulations**

- **Information about limitation of use:**

Employment restrictions concerning young persons must be observed.

- **Other regulations, limitations and prohibitive regulations**

- **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is listed.

- **VOC (EU) 0.0 g/l**

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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#### 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
- **UFI market placements:**
- **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.
- **Department issuing data specification sheet:** see item 1: Informing department
- **Date of previous version:** 18.01.2023
- **Abbreviations and acronyms:**  
 RPE: Respiratory Protective Equipment  
 RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)  
 ADR: Accord relatif au transport international 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)  
 SVHC: Substances of Very High Concern  
 vPvB: very Persistent and very Bioaccumulative  
 Met. Corr. 1: Corrosive to metals – Category 1  
 Skin Corr. 1A: Skin corrosion/irritation – Category 1A  
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- \* **Data compared to the previous version altered.**

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