

# Safety data sheet

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

Printing date 14.03.2023

Version number 1.00

Revision: 14.03.2023

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

- **Product identifier**
- **Trade name:** Maschinenreiniger / Cleaner
- **Article number:** 00311887, 00311925-00311930, 00312212
- **UFI:** 9VP0-E921-E00R-UK2E
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Cleaning material/ Detergent
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
PMS Thomin GmbH  
Meckesheimer Str. 7/1  
D-74939 Zuzenhausen  
Tel.: +49(0)6226-78933-0  
info@pms-thomin.de  
www.pms-thomin.de  
  
BSH Hausgeräte Service GmbH  
Werkskundendienst für Hausgeräte  
Leopoldstrasse 252  
089 20 355 777  
ersatzteile.de@bshg.com
- **Further information obtainable from:** Product safety department
- **Emergency telephone number:** Giftnotrufnummer: +49(0)160-92250872 (24 h erreichbar)

### 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

- **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 silicate  
sodium percarbonate
- **Hazard statements**  
H315 Causes skin irritation.  
H318 Causes serious eye damage.
- **Precautionary statements**  
P101 If medical advice is needed, have product container or label at hand.

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- P102 Keep out of reach of children.  
 P280 Wear protective gloves / eye protection / face protection.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.
- **Other hazards**
  - **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

|                                                                        |                                                                                                                                                                                                |             |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| CAS: 497-19-8<br>EINECS: 207-838-8<br>Reg.nr.: 01-2119485498-19-xxx    | sodium carbonate<br>⚠ Eye Irrit. 2, H319                                                                                                                                                       | >50–≤100%   |
| CAS: 1344-09-8<br>EINECS: 215-687-4                                    | sodium silicate<br>⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; STOT SE 3, H335                                                                                                                  | >10–≤25%    |
| CAS: 15630-89-4<br>EINECS: 239-707-6<br>Reg.nr.: 01-2119457268-30-xxxx | sodium percarbonate<br>⚠ Ox. Sol. 3, H272; ⚠ Eye Dam. 1, H318;<br>⚠ Acute Tox. 4, H302<br>Specific concentration limits:<br>Eye Dam. 1; H318: C ≥ 25 %<br>Eye Irrit. 2; H319: 7,5 % ≤ C < 25 % | >10–<25%    |
| CAS: 120313-48-6                                                       | Alcohols, C12-15-branched and linear, ethoxylated propoxylated<br>⚠ Aquatic Acute 1, H400 (M=1); Aquatic Chronic 3, H412                                                                       | ≥0,25–<2,5% |

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

|                                         |           |
|-----------------------------------------|-----------|
| oxygen-based bleaching agents           | ≥5 - <15% |
| non-ionic surfactants, polycarboxylates | <5%       |
| enzymes, perfumes                       |           |

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

### 4 First aid measures

- **Description of first aid measures**
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

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### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
Use fire extinguishing methods suitable to surrounding conditions.  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Use neutralising agent.  
Dispose contaminated material as waste according to item 13.
- **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 disposal information.

### 7 Handling and storage

- **Precautions for safe handling** Thorough dedusting.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class:** 11
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Control parameters**
- **Ingredients with limit 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.
- **Additional information:** The lists valid during the making were used as basis.
- **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 foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the skin.  
Avoid contact with the eyes and skin.
- **Respiratory protection:** Not required.

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**· Hand protection**

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.



Protective gloves

Check protective gloves prior to each use for their proper condition.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

After use of gloves apply skin-cleaning agents and skin cosmetics.

**· Material of gloves**

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Butyl rubber, BR

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0,5$  mm

**· Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**· Eye/face protection**

Tightly sealed goggles

## 9 Physical and chemical properties

**· Information on basic physical and chemical properties****· General Information****· Physical state**

Solid

**· Colour:**

White

**· Odour:**

Characteristic

**· Odour threshold:**

Not determined.

**· Melting point/freezing point:**

Undetermined.

**· Boiling point or initial boiling point and boiling range**

Undetermined.

**· Flammability**

Not determined.

**· Lower and upper explosion limit****· Lower:**

Not determined.

**· Upper:**

Not determined.

**· Flash point:**

Not applicable.

**· Decomposition temperature:**

Not determined.

**· pH at 20 °C**

10,9

**· Viscosity:****· Kinematic viscosity**

Not applicable.

**· Dynamic:**

Not applicable.

**· Solubility****· water:**

Soluble.

**· Partition coefficient n-octanol/water (log value)**

Not determined.

**· Vapour pressure:**

Not applicable.

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|                                                                                        |                                               |
|----------------------------------------------------------------------------------------|-----------------------------------------------|
| · <b>Density and/or relative density</b>                                               |                                               |
| · <b>Density:</b>                                                                      | Not determined.                               |
| · <b>Relative density</b>                                                              | Not determined.                               |
| · <b>Vapour density</b>                                                                | Not applicable.                               |
| · <b>Particle characteristics</b>                                                      | See item 3.                                   |
| · <b>Other information</b>                                                             |                                               |
| · <b>Appearance:</b>                                                                   |                                               |
| · <b>Form:</b>                                                                         | Powder                                        |
| · <b>Important information on protection of health and environment, and on safety.</b> |                                               |
| · <b>Ignition temperature:</b>                                                         | Product is not selfigniting.                  |
| · <b>Explosive properties:</b>                                                         | Product does not present an explosion hazard. |
| · <b>Change in condition</b>                                                           |                                               |
| · <b>Evaporation rate</b>                                                              | Not applicable.                               |
| · <b>Information with regard to physical hazard classes</b>                            |                                               |
| · <b>Explosives</b>                                                                    | Void                                          |
| · <b>Flammable gases</b>                                                               | Void                                          |
| · <b>Aerosols</b>                                                                      | Void                                          |
| · <b>Oxidising gases</b>                                                               | Void                                          |
| · <b>Gases under pressure</b>                                                          | Void                                          |
| · <b>Flammable liquids</b>                                                             | Void                                          |
| · <b>Flammable solids</b>                                                              | Void                                          |
| · <b>Self-reactive substances and mixtures</b>                                         | Void                                          |
| · <b>Pyrophoric liquids</b>                                                            | Void                                          |
| · <b>Pyrophoric solids</b>                                                             | Void                                          |
| · <b>Self-heating substances and mixtures</b>                                          | Void                                          |
| · <b>Substances and mixtures, which emit flammable gases in contact with water</b>     | Void                                          |
| · <b>Oxidising liquids</b>                                                             | Void                                          |
| · <b>Oxidising solids</b>                                                              | Void                                          |
| · <b>Organic peroxides</b>                                                             | Void                                          |
| · <b>Corrosive to metals</b>                                                           | Void                                          |
| · <b>Desensitised explosives</b>                                                       | Void                                          |

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

#### · **LD/LC50 values relevant for classification:**

#### **ATE (Acute Toxicity Estimates)**

|      |      |            |
|------|------|------------|
| Oral | LD50 | 4112 mg/kg |
|------|------|------------|

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**497-19-8 sodium carbonate**

Oral | LD50 | 2800 mg/kg (rat)

**1344-09-8 sodium silicate**

Oral | LD50 | 3400 mg/kg (rat)

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

· **Endocrine disrupting properties**

None of the ingredients is listed.

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **Other adverse effects**
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Must not reach sewage water or drainage ditch undiluted or unneutralised.  
Danger to drinking water if even small quantities leak into the ground.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

20 01 29\* | detergents containing hazardous substances

HP4 | Irritant - skin irritation and eye damage

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

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### 14 Transport information

|                                                           |                 |
|-----------------------------------------------------------|-----------------|
| · UN number or ID number                                  |                 |
| · ADR, IMDG, IATA                                         | not regulated   |
| · UN proper shipping name                                 |                 |
| · ADR, IMDG, IATA                                         | not regulated   |
| · Transport hazard class(es)                              |                 |
| · ADR, ADN, IMDG, IATA                                    |                 |
| · Class                                                   | not regulated   |
| · Packing group                                           |                 |
| · ADR, IMDG, IATA                                         | not regulated   |
| · Environmental hazards:                                  | Not applicable. |
| · Special precautions for user                            | Not applicable. |
| · Maritime transport in bulk according to IMO instruments | Not applicable. |
| · UN "Model Regulation":                                  | not regulated   |

### 15 Regulatory information

- Directive 2004/42/EC
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- 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
- Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
- None of the ingredients is listed.
- Annex II - REPORTABLE EXPLOSIVES PRECURSORS
- None of the ingredients is listed.
- 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:
- Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.
- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases
- H272 May intensify fire; oxidiser.
- H302 Harmful if swallowed.
- H315 Causes skin irritation.

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H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.  
 H335 May cause respiratory irritation.  
 H400 Very toxic to aquatic life.  
 H412 Harmful to aquatic life with long lasting effects.

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

|                                                            |                                                                                                                                                |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Skin corrosion/irritation<br>Serious eye damage/irritation | The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008. |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|

**Date of previous version: 12.01.2023**
**Abbreviations and acronyms:**

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 Harmonised System of Classification and Labelling of Chemicals  
 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)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 Ox. Sol. 3: Oxidizing solids – Category 3  
 Acute Tox. 4: Acute toxicity – Category 4  
 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  
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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

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