

# Material safety Data Sheet

## Applying the Regulation 1272/2008

### Machine Dishwash

Effectiv from: 01.06.2015

Version: 008

Substitute the version from: 01.11.2013

## 1. Supplier and product identification

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### 1.1 Product name:

Machine Dishwash

### 1.2 Usage of the product:

Machine dishwash for the mechanical cleaning

### 1.3 Supplier:

SODASAN Wasch- und Reinigungsmittel GmbH

#### Address:

Rudolf – Diesel - Str. 19  
D - 26670 Uplengen – Jübberde

#### Contact for information:

Section product safety  
[mg@sodasan.com](mailto:mg@sodasan.com)

#### Telephone/Telefax/Email:

+49 (0) 4956 40720 / +49 (0) 4956 407299 / info@sodasan.com

### 1.4 Emergency phone:

+49 (0) 4956 40720 Herr Hack / Frau Grätz, in der Zeit von 09:00 – 17:00 Uhr

## 2. Hazard identification

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### 2.1 Classification of the mixture:

#### According to 1272/2008

H315; Skin Irrit. 2 - Causes severe skin irritation.  
H318; Eye Dam.1 – Causes serious eye damage.

### 2.2 CLP-Label elements:

#### Hazard pictogram:



#### Signal word:

danger

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#### Warnings:

H315; Skin Irrit. 2 - Causes severe skin irritation.

H318; Eye Dam.1 – Causes serious eye damage.

#### Prevention:

P102 – Keep out of reach of children.

P261 – Do not breathe dust/fume/gas/mist/vapours/spray.

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

P301/312 – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P302/352 – IF ON SKIN: Wash with plenty of soap and water.

P304/340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P305/351/338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to go. Continue rinsing.

**Labeling triggering component:** Sodium carbonate, Cilicic acid disodium salt, Sodium percarbonate, Sodium Metasilicate, nonionic surfactant anionic surfactant (calculation method)

#### 2.3 Other hazards:

None

### 3. Composition / information on ingredients

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#### 3.1 Substances:

This product is a mixture.

#### 3.2 Mixture:

##### Hazardous ingredients:

Sodium Carbonate; EG-Nr.: 207-838-8; CAS-Nr.: 497-19-8  
registration number : 01-2119485498-19-XXXX

Amount: > 20 < 30 %

Classification according to VO 1272/2008: Eye irrit. 2, H319

Disodium Disilicates; EG-Nr.: 237-623-4; CAS-Nr.: 13870-28-5  
registration number: 01-2119485031-47-XXXX

Amount: < 25 %

Classification according to VO 1272/2008: Eye Dam. 1, H318

Sodium Percarbonate; EG-Nr. : 239-707-6 ; CAS-Nr. : 15630-89-4  
registration number : 01.2119457268-30-0007

Amount: < 14 %

Classification according to VO 1272/2008: Acute Tox. 4, H302; Eye Dam. 1, H318; Ox. Sol. 2; H272

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Sodium Metasilicate 5-Hydrat; EG-Nr.: ; CAS-Nr.: 10213-79-3

registration number: 01-2119449811-37-0003

Amount: < 4,95 %

Classification according to VO 1272/2008: Met. Korr. 1, H290; STOT einm. 3, H335; Skin Irrit. 1B, Eye Dam. 1, H314

nonionic surfactant

Amount: < 0,1%

Classification according to VO 1272/2008: Skin Irrit. 2, H315; Eye Dam. 1, H318

anionic surfactant

Amount: < 0,05%

Classification according to VO 1272/2008: Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Dam. 1, H318

#### Ingredients with mandatory EG-limit:

None.

The exact wording of the R-phrases are detailed under point 16

## 4. First Aid Measures

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### 4.1 Discription of first aid measures:

#### General information:

None special measures necessary.

#### Following inhalation:

Apply fresh air. In case of inadequate respiration apply oxygen:Call on Physician

#### Following skin contact:

Rinse with plenty of water.

#### Following eye contact:

Irrigate copiously with water for at least 15 minutes. Consult a physician.

#### Following ingestion:

Rinse mouth with water and consult a physician.

### 4.2 Most important symtoms and effects, both acut and delayed:

None known.

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

None.

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## 5. Firefithing Measures

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### 5.1 Extinguishing media:

#### Recommended extinguishing media:

Carbon dioxide or dry powder extinguishers

### 5.2 Special hazards arising from the mixture:

None.

### 5.3 Advice for fire-fighters:

Invoid the intrusion of extinguishing water into surface water and groundwater and also into soil.

## 6. Accidental release measures

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### 6.1 Personal precautions, protective equipement and emergency proceures:

Usual precautions in dealing with chemicals.

### 6.2 Environmental precautions:

Keep away from drains, surface and ground water and soil.

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

Collect as much as possible in a clean container for (preferable) reuse or disposal.  
Flush remainder with water.

### 6.4 Reference to other sections:

Notice the precautionary measures under section 7, 8 and 13.

## 7. Handling and storage

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### 7.1 Precautions for safe handling:

#### Protective measures:

Don't leave open the vessels.

General hygienic measures.

- Don't smoke, eat and drink in sections of working
- Wash hands after using
- Remove contaminated clothes bevor going into sections, where you will eat.

#### Advices for fire safety:

None special measures necessary. Usual precautions in dealing with chemicals.

### 7.2 Conditions for safe storage, including any incompatibilities:

#### Requirement for storage rooms and vessels:

Always keep safe in original container.

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### 7.3 Specific end use:

Machine dishwash for the mechanical cleaning

## 8. Exposure controls / personal protection

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### 8.1 Control parameters:

None.

#### General advice:

Look section 7

### 8.2 Personal protective gear:

Personal protective equipment is depending on hazards at the workstation

#### Respiratory protection:

Not required.

#### Hand protection:

Not required.

#### Eye protection:

Not required.

#### Environmental exposure controls:

Look section 6 and 7.

## 9. Physical and chemical properties

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

#### Appearance

##### Physical state:

solid

##### Colour:

white / brown

##### Odour:

odourless

#### Safety relevant basic data

##### pH-value : (1g/l H<sub>2</sub>O)

11,0 – 11,45

##### Melting point / range:

not applicable

##### Explosion limits:

not applicable

##### Flammability:

not applicable

##### Relative density:

900 - 1100 g/L

##### Water solubility:

soluble

### 9.2 Other safety informations:

Other physical and chemical data weren't determined.

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### 10. Stability and reactivity

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**10.1 Reactivity:**

No reactions if handling is adequate.

**10.2 Chemical stability:**

This product is chemical stable under normal environmental conditions.

**10.3 Possibility of hazardous reactions:**

No hazardous reactions if handling is adequate.

**10.4 Conditions to avoid:**

Avoid contact with moisture and water.

**10.5 Incompatible materials:**

None.

**10.6 Hazardous decomposition products:**

None if handling is adequate

### 11. Toxicological information

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**11.1 Information on toxicological effects:**

**Acute toxicity oral:**

ATE(mix.) = >2000 mg/kg (LD50, rat)

**Akute toxicity dermal:**

ATE(mix.)= >2000 mg/kg (LD50, rabbit)

**Akute toxicity inhalative:**

ATE(mix.)= >5 mg/l (LC50, rat)

**Irritation:**

Irritation to eyes and skin is possible.

**Corrosivity:**

Based on available data are the rating principles not fulfilled (conventional method).

**Sensitisation:**

Based on available data are the rating principles not fulfilled (conventional method).

**Repeated dose toxicity:**

Not approved.

**Carcinogenicity**

Not approved.

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**Mutagenicity:**

Not approved.

**Toxicity for reproduction:**

Not approved.

**Other information:**

The toxicological rating of the mixture is based on the results of the calculation procedure (conventional method). There are no other hazards expected.

## 12. Ecological information

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**12.1 Toxicity:**

The ingredients contained in the mixture are not classified as dangerous for the environment. Thus, the classification of the mixture also is no longer as dangerous for the environment.

**12.2 Persistence and degradability:**

Sodium Percarbonate can be eliminate largely out of water by abiotic processes like adsorption at activated sludge.

**12.3 Bioaccumulative potential:**

No bioaccumulative potential.

**12.4 Mobility in soil:**

No relevant data available.

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

No relevant data available.

**12.6 Other adverse effects:**

No relevant data available.

## 13. Disposal considerations

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**13.1 Waste treatment methods:**

Waste disposal in accordance with local regulations.

**Contaminated packaging:**

Dirty containers can be recycled or disposed as normal waste after rinse. Consult local authority.

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## 14. Transport information

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**14.1 UN-Nummer:**

Not applicable.

**14.2 Correct UN-forwarding label:**

Not applicable.

**14.3 Hazard class for transport:**

Not applicable.

**14.4 Class of packaging:**

Not applicable.

**14.5 Hazards for the environmental:**

Not applicable.

**14.6 Special precautions for the user:**

Look section 6-8

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

The emission solely takes place in suitable vessels.

## 15. Regulatory information

**15.1 Vorschrift zu Sicherheit, Gesundheits- und Umweltschutz / spezifische Rechtsvorschriften für das Gemisch:**

Das Produkt ist nach EG-Richtlinien / den jeweiligen nationalen Vorschriften eingestuft und gekennzeichnet.

**Nationale Vorschriften:**

Wassergefährdungsklasse WGK: 1            gemäß VwVwS, Anhang 4

**SVHC**

Das Produkt enthält keine besonders besorgniserregenden Stoffe (SVHC).

**15.2 Chemical safety assessment**

The product isn't submitted to a chemical safety assessment.

**Other assessments:**

None.

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## 16. Other information

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### Important remarks:

It is recommende to pass the information of this safety data sheet, eventually in an appropriated form, to the users. This information is to our best knowledge correct and complete and is given in good faith but without warranty. It is user's liabilities to take all necessary measures to meet local required laws and regulations.

### Hazard warnings on which is refered in section 3:

#### According to regulation VO 1272/2008

#### H-phrase:

- 272 May intensify fire; oxidizer.
- 290 May be corrosive to metals.
- 302 Harmful if swallowed.
- 314 Causes severe skin burns and eye damage.
- 315 Causes skin irritation.
- 318 Causes serious eye damage.
- 319 Causes serious eye irritation.
- 335 May cause respiratory irritation.

#### Prevention:

- P102 – Keep out of reach of children.
- P261 – Do not breathe dust/fume/gas/mist/vapours/spray.
- P280 – Wear protective gloves/protective clothing/eye protection/face protection.
- P301/312 – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P302/352 – IF ON SKIN: Wash with plenty of soap and water.
- P304/340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P305/351/338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to go. Continue rinsing.

#### Modification towards the latest version:

Adaptation according to CLP-regulation (EG) Nr. 1272/2008  
All sections.

#### Responsible for safety data sheet:

Section of product safety

#### Contact person:

Herr Hack / Frau Grätz

#### Bibliographical reference and data source:

##### Regulation

Directive (1999/45/EG)

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Substance guideline (67/548/EWG)

REACH-regulation (EG) Nr. 1907/2006

CLP-regulation (EG) Nr. 1272/2008

### Internet

<http://www.baua.de>

<http://www.arbeitssicherheit.de>

<http://gestis.itrust.de>

<http://www.ikw.org>

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