

neodisher LaboClean UW

Version: 2 / GB

Replaces Version: 1 / GB

Date revised: 08.06.2017

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

1.1. Product identifier

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1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation

Washing and cleaning products (including solvent based products)

1.3. Details of the supplier of the safety data sheet

Address:

Chemische Fabrik Dr. Weigert GmbH & Co. KG
Mühlenhagen 85
D-20539 Hamburg
Telephone no. +49 40 789 60 0
Fax no. +49 40 789 60 120
www.drweigert.com

E-mail address of person responsible for this SDS:

sida@drweigert.de

1.4. Emergency telephone number

GBK/ Infotrac: (USA domestic) 1 800 535 5053 or international +1 352 323 3500

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

| | |
|---------------|------|
| Skin Corr. 1B | H314 |
| Eye Dam. 1 | H318 |
| STOT SE 3 | H335 |

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin

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P305+P351+P338 with water/shower.
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 or doctor.
Dispose only when container is empty and closed. For disposal of product residues, refer to Safety Data Sheet.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains disodium metasilicate pentahydrate

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients

fatty alcohol, ethoxylated

| | | | | |
|--|-------------------|---|------|---|
| CAS No. | 146340-16-1 | | | |
| EINECS no. | 604-522-5 | | | |
| Concentration | | < | 1 | % |
| Classification (Regulation (EC) No. 1272/2008) | | | | |
| | Skin Irrit. 2 | | H315 | |
| | Aquatic Acute 1 | | H400 | |
| | Aquatic Chronic 3 | | H412 | |

disodium metasilicate pentahydrate

| | | | | |
|--|------------------|---|------|---|
| CAS No. | 10213-79-3 | | | |
| EINECS no. | 229-912-9 | | | |
| Registration no. | 01-2119449811-37 | | | |
| Concentration | >= 25 | < | 50 | % |
| Classification (Regulation (EC) No. 1272/2008) | | | | |
| | Skin Corr. 1B | | H314 | |
| | STOT SE 3 | | H335 | |
| | Eye Dam. 1 | | H318 | |
| | Met. Corr. 1 | | H290 | |

sodium carbonate peroxyhydrate

| | | | | |
|--|------------------|---|------|---|
| CAS No. | 15630-89-4 | | | |
| EINECS no. | 239-707-6 | | | |
| Registration no. | 01-2119457268-30 | | | |
| Concentration | >= 5 | < | 15 | % |
| Classification (Regulation (EC) No. 1272/2008) | | | | |
| | Ox. Sol. 3 | | H272 | |
| | Acute Tox. 4 | | H302 | |
| | Eye Dam. 1 | | H318 | |

Concentration limits (Regulation (EC) No. 1272/2008)

| | | |
|--------------|------|---------------|
| Eye Dam. 1 | H318 | >= 25 % |
| Eye Irrit. 2 | H319 | >= 7,5 < 25 % |

sodium carbonate

| | | | | |
|--|------------------|---|----|---|
| CAS No. | 497-19-8 | | | |
| EINECS no. | 207-838-8 | | | |
| Registration no. | 01-2119485498-19 | | | |
| Concentration | >= 25 | < | 50 | % |
| Classification (Regulation (EC) No. 1272/2008) | | | | |

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Eye Irrit. 2

H319

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated clothing immediately and dispose of safely. In any case show the physician the Safety Data Sheet.

After inhalation

Ensure supply of fresh air. When dust is intensively inhaled, seek medical help immediately.

After skin contact

Wash off immediately with soap and water. Take medical treatment.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After ingestion

If swallowed, seek medical advice immediately and show this container or label. Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Do not induce vomiting.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

4.2. Most important symptoms and effects, both acute and delayed

Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed

Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

Non suitable extinguishing media

Compatible with all usual extinguishing media.

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus.

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing.

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6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Knock down dust with water spray jet.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. Dispose of absorbed material in accordance with the regulations.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid the formation and deposition of dust. Keep container tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value > 0 < 25 °C

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Provide solvent-resistant and impermeable floor.

Storage class according to TRGS 510

Storage class according to TRGS 510 8B Non-combustible corrosive hazardous substances

7.3. Specific end use(s)

no data

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

General protective and hygiene measures

Do not inhale dust/fumes/aerosols. Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

Respiratory protection

Use breathing apparatus in dust-laden atmosphere. Particle filter P2

Hand protection

Chemical resistant gloves (EN 374)

| | |
|----------------------|-------------------------|
| Use | Permanent hand contact |
| Appropriate Material | neoprene |
| Material thickness | >= 0,65 mm |
| Breakthrough time | > 480 min |
| Appropriate Material | nitrile |
| Material thickness | >= 0,4 mm |
| Breakthrough time | > 480 min |
| Appropriate Material | butyl |
| Material thickness | >= 0,7 mm |
| Breakthrough time | > 480 min |
| Use | Short-term hand contact |
| Appropriate Material | nitrile |

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Material thickness >= 0,11 mm

Eye protection

Safety glasses with side protection shield (EN 166)

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form solid
Colour white
Odour characteristic
Odour threshold
Remarks not determined

pH value
Value > 13
Concentration/H₂O 10 %
Temperature 20 °C

Melting point
Remarks not determined

Freezing point
Remarks not determined

Initial boiling point and boiling range
Remarks not determined

Flash point
Remarks Not applicable

Evaporation rate (ether = 1) :
Remarks not determined

Flammability (solid, gas)
evaluation not determined

Upper/lower flammability or explosive limits
Remarks not determined

Vapour pressure
Remarks not determined

Vapour density
Remarks not determined

Density
Remarks not determined

Solubility in water
Remarks soluble

Solubility(ies)
Remarks not determined

Partition coefficient: n-octanol/water
Remarks not determined

Ignition temperature
Remarks not determined

Decomposition temperature
Remarks not determined

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Viscosity

Remarks Not applicable

Explosive properties

evaluation not determined

Oxidising properties

evaluation None known

9.2. Other information

Bulk density

Value appr. 970 kg/m³

Other information

None known

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No hazardous reactions known.

Decomposition temperature

Remarks not determined

10.5. Incompatible materials

Contact with acids liberates irritant gases.

10.6. Hazardous decomposition products

Irritant gases/vapours

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

| | | | |
|---------|--|------|-------|
| Species | rat | | |
| LD50 | > | 2000 | mg/kg |
| Method | calculated value (Regulation (EC) No. 1272/2008) | | |

Acute oral toxicity (Components)

sodium carbonate peroxyhydrate

| | | | |
|---------|---------------------------------|------|-------|
| Species | rat | | |
| LD50 | | 1034 | mg/kg |
| Method | Value taken from the literature | | |

disodium metasilicate pentahydrate

| | | | |
|---------|-----|--------------|-------|
| Species | rat | | |
| LD50 | | 1150 to 1350 | mg/kg |

sodium carbonate

| | | | |
|---------|-----|------|-------|
| Species | rat | | |
| LD50 | | 2800 | mg/kg |

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Acute dermal toxicity

Remarks Based on available data, the classification criteria are not met.

Acute dermal toxicity (Components)

sodium carbonate

Species rabbit
LD50 > 2000 mg/kg

Acute inhalational toxicity

Remarks Based on available data, the classification criteria are not met.

Skin corrosion/irritation

evaluation corrosive

Serious eye damage/irritation

evaluation corrosive

Sensitization

Remarks Based on available data, the classification criteria are not met.

Subacute, subchronic, chronic toxicity

Remarks Based on available data, the classification criteria are not met.

Mutagenicity

Remarks Based on available data, the classification criteria are not met.

Reproductive toxicity

Remarks Based on available data, the classification criteria are not met.

Carcinogenicity

Remarks Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (STOT)

Remarks Inhalation may lead to irritation of the respiratory tract.

Aspiration hazard

No special hazards have to be mentioned.

Experience in practice

Inhalation of dusts may irritate the respiratory tract.

Other information

There is no data available on the product apart from the information given in this subsection.

SECTION 12: Ecological information

12.1. Toxicity

General information

not determined

Fish toxicity (Components)

sodium carbonate peroxyhydrate

Species Fathead minnow (*Pimephales promelas*)
LC50 70,7 mg/l
Duration of exposure 96 h

disodium metasilicate pentahydrate

Species zebra fish (*Brachydanio rerio*)
LC50 210 mg/l
Duration of exposure 96 h

fatty alcohol, ethoxylated

Species golden orfe (*Leuciscus idus*)

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LC50 0,6 mg/l
Method DIN 38412 / Part 15

sodium carbonate

Species Bluegill (Lepomis macrochirus)
LC50 300 mg/l
Duration of exposure 96 h

Daphnia toxicity (Components)

sodium carbonate peroxyhydrate

Species Daphnia pulex
EC50 4,9 mg/l
Duration of exposure 48 h

sodium carbonate peroxyhydrate

Species Daphnia pulex
NOEC 2 mg/l
Duration of exposure 48 h

disodium metasilicate pentahydrate

Species Daphnia magna
EC50 1700 mg/l
Duration of exposure 48 h

fatty alcohol, ethoxylated

LC50 1,2 mg/l
Method DIN 38412 / Part 11

sodium carbonate

Species Ceriodaphnia spec
EC50 200 to 227 mg/l
Duration of exposure 48 h

Bacteria toxicity (Components)

sodium carbonate peroxyhydrate

Species activated sludge
EC50 466 mg/l
Duration of exposure 30 min

12.2. Persistence and degradability

General information

not determined

12.3. Bioaccumulative potential

General information

not determined

Partition coefficient: n-octanol/water

Remarks not determined

12.4. Mobility in soil

General information

not determined

12.5. Results of PBT and vPvB assessment

General information

not determined

Evaluation of persistence and bioaccumulation potential

The product contains no PBT or vPvB substances.

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12.6. Other adverse effects

General information

not determined

General information / ecology

Do not allow to enter soil, waterways or waste water canal.

SECTION 13: Disposal considerations

13.1. Waste treatment methods




Disposal recommendations for the product

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

SECTION 14: Transport information

| | Land transport ADR/RID | Marine transport IMDG/GGVSee | Air transport ICAO/IATA |
|----------------------------------|---|--|---|
| 14.1. UN number | 3253 | 3253 | 3253 |
| 14.2. UN proper shipping name | DISODIUM TRIOXOSILICATE, Mixture | DISODIUM TRIOXOSILICATE, Mixture | DISODIUM TRIOXOSILICATE |
| 14.3. Transport hazard class(es) | 8 | 8 | 8 |
| Label |  |  |  |
| 14.4. Packing group | III | III | III |
| Limited Quantity | 5 kg | | |
| Transport category | 3 | | |
| 14.5. Environmental hazards | | no | |
| Tunnel restriction code | E | | |
| IMDG-Code segregation group | | 18 Alkalis | |

Information for all modes of transport

14.6. Special precautions for user

See Sections 6 to 8

Other information

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Ingredients (Regulation (EC) No 648/2004)

5 % or over but less than 15 %:

oxygen-based bleaching agents

less than 5 %:

non-ionic surfactants

Water Hazard Class (Germany)

Water Hazard Class (Germany) WGK 1

Remarks Classification according to Annex 4 VwVwS

VOC

VOC (EU) 0 %

Other information

The product does not contain substances of very high concern (SVHC).

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Hazard statements listed in Chapter 3

| | |
|------|--|
| H272 | May intensify fire; oxidiser. |
| 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. |
| H335 | May cause respiratory irritation. |
| H400 | Very toxic to aquatic life. |
| H412 | Harmful to aquatic life with long lasting effects. |

CLP categories listed in Chapter 3

| | |
|-------------------|--|
| Acute Tox. 4 | Acute toxicity, Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment, acute, Category 1 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment, chronic, Category 3 |
| Eye Dam. 1 | Serious eye damage, Category 1 |
| Eye Irrit. 2 | Eye irritation, Category 2 |
| Met. Corr. 1 | Substance or mixture corrosive to metals, Category 1 |
| Ox. Sol. 3 | Oxidising solid, Category 3 |
| Skin Corr. 1B | Skin corrosion, Category 1B |
| Skin Irrit. 2 | Skin irritation, Category 2 |
| STOT SE 3 | Specific target organ toxicity - single exposure, Category 3 |

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.