

neodisher MA

Version: 4 / GB

Replaces Version: 3 / GB

Date revised: 12.01.2022

Print date: 16.05.22

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

Identified Uses

PC35

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

Emergency telephone number: 112

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

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

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

neodisher MA

Version: 4 / GB

Replaces Version: 3 / GB

Date revised: 12.01.2022

Print date: 16.05.22

| | |
|----------------|--|
| 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 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 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

2.3. Other hazards

No special hazards have to be mentioned. The product contains no PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients

disodium metasilicate pentahydrate

| | | | | | |
|--|------------------|---|------|---|--|
| CAS No. | 10213-79-3 | | | | |
| EINECS no. | 229-912-9 | | | | |
| Registration no. | 01-2119449811-37 | | | | |
| Concentration | >= 50 | < | 57 | % | |
| Classification (Regulation (EC) No. 1272/2008) | | | | | |
| | Skin Corr. 1B | | H314 | | |
| | STOT SE 3 | | H335 | | |
| | Eye Dam. 1 | | H318 | | |
| | Met. Corr. 1 | | H290 | | |

fatty alcohol, ethoxylated

| | | | | | |
|--|-------------------|---|------|---|--|
| CAS No. | 146340-16-1 | | | | |
| EINECS no. | 604-522-5 | | | | |
| Concentration | >= 1 | < | 10 | % | |
| Classification (Regulation (EC) No. 1272/2008) | | | | | |
| | Skin Irrit. 2 | | H315 | | |
| | Aquatic Acute 1 | | H400 | | |
| | Aquatic Chronic 3 | | H412 | | |

Other information

Complete text of hazard statements in chapter 16

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

neodisher MA

Version: 4 / GB

Replaces Version: 3 / GB

Date revised: 12.01.2022

Print date: 16.05.22

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.

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

neodisher MA

Version: 4 / GB

Replaces Version: 3 / GB

Date revised: 12.01.2022

Print date: 16.05.22

Recommended storage temperature

Value > 0 < 30 °C

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed.

Storage classes

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

There are not known any further control parameters.

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

Use

Appropriate Material

Material thickness

Breakthrough time

Appropriate Material

Material thickness

Breakthrough time

Appropriate Material

Material thickness

Breakthrough time

Use

Appropriate Material

Material thickness

Hand protection must comply with EN 374.

Permanent hand contact

neoprene

>= 0,65

mm

> 480

min

nitrile

>= 0,4

mm

> 480

min

butyl

>= 0,7

mm

> 480

min

Short-term hand contact

nitrile

>= 0,11

mm

Eye protection

Safety glasses with side protection shield; Eye protection must comply with 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

appr. 12

neodisher MA

Version: 4 / GB

Replaces Version: 3 / GB

Date revised: 12.01.2022

Print date: 16.05.22

Concentration/H₂O 10 %

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 ignitable

Upper/lower flammability or explosive limits

Remarks Not applicable

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 applicable

Decomposition temperature

Remarks not determined

Viscosity

Remarks Not applicable

Explosive properties

evaluation no

Oxidising properties

Remarks Not applicable

9.2. Other information

Bulk density

Value 0,915 to 0,965 g/cm³

Other information

None known

SECTION 10: Stability and reactivity

neodisher MA

Version: 4 / GB

Replaces Version: 3 / GB

Date revised: 12.01.2022

Print date: 16.05.22

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.

10.5. Incompatible materials

Strong exothermic reaction with acids.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

| | | |
|---------|---|-------|
| Species | rat | |
| ATE | > 2000 | mg/kg |
| Method | calculated value (Regulation (EC) No. 1272/2008) | |
| Remarks | Based on available data, the classification criteria are not met. | |

Acute oral toxicity (Components)

disodium metasilicate pentahydrate

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

fatty alcohol, ethoxylated

| | | |
|---------|--------|-------|
| Species | rat | |
| LD50 | > 2000 | mg/kg |

Acute dermal toxicity

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

Acute inhalational toxicity

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

Skin corrosion/irritation

| | |
|------------|--------------------------------------|
| evaluation | corrosive |
| Remarks | The classification criteria are met. |

Serious eye damage/irritation

| | |
|------------|--------------------------------------|
| evaluation | corrosive |
| Remarks | The classification criteria are met. |

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. |
|---------|---|

neodisher MA

Version: 4 / GB

Replaces Version: 3 / GB

Date revised: 12.01.2022

Print date: 16.05.22

Carcinogenicity

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

Specific Target Organ Toxicity (STOT)

Single exposure

Remarks The classification criteria are met.
evaluation May cause respiratory irritation.

Repeated exposure

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

Aspiration hazard

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

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)

fatty alcohol, ethoxylated

| | | |
|---------|---------------------------------------|------|
| Species | golden orfe (<i>Leuciscus idus</i>) | |
| LC50 | 0,6 | mg/l |
| Method | DIN 38412 / Part 15 | |

disodium metasilicate pentahydrate

| | | |
|----------------------|---|------|
| Species | zebra fish (<i>Brachydanio rerio</i>) | |
| LC50 | 210 | mg/l |
| Duration of exposure | 96 | h |

Daphnia toxicity (Components)

fatty alcohol, ethoxylated

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

disodium metasilicate pentahydrate

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

12.2. Persistence and degradability

General information

not determined

Ready degradability (Components)

fatty alcohol, ethoxylated

12.3. Bioaccumulative potential

General information

not determined

Partition coefficient: n-octanol/water

Remarks not determined

neodisher MA

Version: 4 / GB

Replaces Version: 3 / GB

Date revised: 12.01.2022

Print date: 16.05.22

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.

12.6. Other adverse effects

General information

not determined

General information / ecology

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Do not discharge product unmonitored into the environment.

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

neodisher MA

Version: 4 / GB

Replaces Version: 3 / GB

Date revised: 12.01.2022

Print date: 16.05.22

| | Land transport ADR/RID | Marine transport IMDG/GGVSee | Air transport ICAO/IATA |
|---|---|--|---|
| Tunnel restriction code | E | | |
| IMDG-Code segregation group | | 18 Alkalis | |
| 14.1. UN number | 3253 | 3253 | 3253 |
| 14.2. UN proper shipping name | DISODIUM TRIOXOSILICATE | DISODIUM TRIOXOSILICATE | 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 | |

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

SECTION 15: Regulatory information

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

Ingredients (Regulation (EC) No 648/2004)

30 % and more:

phosphates

less than 5 %:

non-ionic surfactants

Water Hazard Class (Germany)

Water Hazard Class WGK 1

(Germany)

Remarks

Derivation of WGK according to Annex 1 No. 5.2 AwSV

VOC

VOC (EU) 0 %

Other information

neodisher MA

Version: 4 / GB

Replaces Version: 3 / GB

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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

| | |
|------|--|
| H290 | May be corrosive to metals. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| 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

| | |
|-------------------|--|
| 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 |
| Met. Corr. 1 | Substance or mixture corrosive to metals, Category 1 |
| 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 |

Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route
RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses
IMDG: International Maritime Code for Dangerous Goods
ICAO: International Civil Aviation Organization
IATA: International Air Transport Association
CAS: Chemical Abstracts Service
VOC: Volatile Organic Compound
LD: Lethal dose
LC: Lethal concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very persistent and very bioaccumulative
SVHC: Substances of very high concern
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978 (MARPOL: Marine Pollution)
IBC: Intermediate Bulk Container
OEL: Occupational exposure limit
TSCA: Toxic Substances Control Act (USA)
IMO: International Maritime Organization
GHS: Globally Harmonized System of classification and Labelling of Chemicals
REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals
UN: United Nations

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.