neodisher SBR extra

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

1.1. Product identifier
neodisher SBR extra

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)
Met. Corr. 1 H290
Skin Irrit. 2 H315
Eye Dam. 1 H318

2.2. Label elements
Labelling according to regulation (EC) No 1272/2008

Signal word
Danger

Hazard statements
H290 May be corrosive to metals.
H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary statements
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
Safety data sheet in accordance with regulation (EC) No 1907/2006

**neodisher SBR extra**

Version: 2 / GB  
Replaces Version: 1 / GB  
Date revised: 04.12.2015  
Print date: 02.02.16

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  tetrasodium ethylenediamine tetraacetate

**2.3. Other hazards**

No special hazards have to be mentioned.

---

**SECTION 3: Composition/information on ingredients**

**Hazardous ingredients**

**tetrasodium ethylenediamine tetraacetate**

- **CAS No.** 64-02-8  
- **EINECS no.** 200-573-9  
- **Registration no.** 01-2119486762-27  
- **Concentration** >= 15 < 30 %  
- **Classification** Xn, R22  
  Xi, R41

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

- Acute Tox. 4  H302  
- Eye Dam. 1  H318  
- Acute Tox. 4  H332  
- STOT RE 2  H373

**sodium hydroxide**

- **CAS No.** 1310-73-2  
- **EINECS no.** 215-185-5  
- **Registration no.** 01-2119457892-27  
- **Concentration** < 1 %  
- **Classification** C, R35

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

- Skin Corr. 1A  H314  
- Met. Corr. 1  H290

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

- Skin Corr. 1B  H314 <= 2 < 5  
- Skin Corr. 1A  H314 >= 5  
- Skin Irrit. 2  H315 <= 0,5 < 2  
- Eye Irrit. 2  H319 <= 0,5 < 2

**tetrasodium (1-hydroxyethylidene)bisphosphonate**

- **CAS No.** 3794-83-0  
- **EINECS no.** 223-267-7  
- **Concentration** >= 1 < 10 %  
- **Classification** Xn, R22  
  Xi, R36

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

- Acute Tox. 4  H302  
- Eye Irrit. 2  H319

Concentration limits (Regulation (EC) No. 1272/2008)
neodisher SBR extra

SECTION 4: First aid measures

4.1. Description of first aid measures
   General information
   Remove contaminated, soaked clothing immediately and dispose of safely.
   After inhalation
   Ensure supply of fresh air. In the event of symptoms take medical treatment.
   After skin contact
   After contact with skin, wash immediately with plenty of water. Consult a doctor if skin irritation persists.
   After eye contact
   In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. In case of irritation consult an oculist.
   After ingestion
   Rinse mouth thoroughly with water.
   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
   Extinguishing measures to suit surroundings
   Non Suitable extinguishing media
   Full water jet

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. Refer to protective measures listed in sections 7 and 8.

6.2. Environmental precautions
neodisher SBR extra

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up
Pick up with absorbent material. 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 formation of aerosols. Observe the usual precautions for handling chemicals. Keep container tightly closed.

Advice on protection against fire and explosion
The product is not combustible.

7.2. Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels
Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Storage class according to TRGS 510
Storage class according to 10-13 Other combustible and non-combustible substances TRGS 510

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
Hold eye wash fountain available. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. Wash hands before breaks and after work.

Hand protection
Chemical resistant gloves (EN 374) Appropriate Material neoprene
Appropriate Material butyl rubber
Appropriate Material nitrile

Eye protection
Safety glasses with side protection shield (EN 166)

Body protection
Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Form liquid
Colour light yellow
**neodisher SBR extra**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odour</td>
<td>characteristic</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>not determined</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>pH value</td>
<td>Value: appr. 13.5</td>
</tr>
<tr>
<td>Melting point</td>
<td>not determined</td>
</tr>
<tr>
<td>Freezing point</td>
<td>not determined</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>not determined</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation rate (ether = 1)</td>
<td>not determined</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>evaluation not determined</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>not determined</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>not determined</td>
</tr>
<tr>
<td>Vapour density</td>
<td>not determined</td>
</tr>
<tr>
<td>Density</td>
<td>Value: 1.23 g/cm³</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>not determined</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>not determined</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>not determined</td>
</tr>
<tr>
<td>Ignition temperature</td>
<td>not determined</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>not determined</td>
</tr>
<tr>
<td>Viscosity</td>
<td>not determined</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>evaluation not determined</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>None known</td>
</tr>
</tbody>
</table>

9.2. Other information

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
None known

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)
tetrasodium ethylenediamine tetraacetate
Reference substance tetrasodium ethylenediamine tetraacetate
Species rat
LD50 >= 1780 mg/kg

Acute dermal toxicity
Remarks not determined

Acute inhalational toxicity
Remarks not determined

Skin corrosion/irritation
evaluation irritant

Serious eye damage/irritation
evaluation irritant - risk of serious damage to eyes

Sensitization
Remarks not determined

Subacute, subchronic, chronic toxicity
Remarks not determined

Mutagenicity
Remarks not determined

Reproductive toxicity
Remarks not determined
Carcinogenicity
Remarks not determined

Specific Target Organ Toxicity (STOT)
Remarks not determined

Aspiration hazard
No special hazards have to be mentioned.

Experience in practice
Inhalation may lead to irritation of 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)
tetrasodium ethylenediamine tetraacetate
Species Bluegill (Lepomis macrochirus)
LC50 100 mg/l
Duration of exposure 96 h
Remarks Test conducted with a similar formulation.

Algae toxicity (Components)
tetrasodium ethylenediamine tetraacetate
EC50 > 100 mg/l
Duration of exposure 72 h

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

12.6. Other adverse effects
General information
not determined

General information / ecology
Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.
neodisher SBR extra

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

14.1. UN number
UN 3267

14.2. UN proper shipping name
CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (tetrasodium ethylenediamine tetraacetate)

14.3. Transport hazard class(es)
Class 8
Label 8

14.4. Packing group
Packaging group III
Limited Quantity 5 l
Transport category 3
Tunnel restriction code E

Marine transport IMDG/GGVSee

14.1. UN number
UN 3267

14.2. UN proper shipping name
CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (tetrasodium ethylenediamine tetraacetate)

14.3. Transport hazard class(es)
Class 8

14.4. Packing group
Packaging group III

14.5. Environmental hazards
no
IMDG-Code segregation group 18 Alkalis

Air transport ICAO/IATA

14.1. UN number
UN 3267

14.2. UN proper shipping name
CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (tetrasodium ethylenediamine tetraacetate)

14.3. Transport hazard class(es)
Class 8

14.4. Packing group
Packaging group III

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 MARPOL73/78 and the IBC Code
SECTION 15: Regulatory information

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

Ingredients (Regulation (EC) No 648/2004)

15 % or over but less than 30 %:
EDTA and salts thereof

less than 5 %:
phosphonates

Water Hazard Class (Germany)
Water Hazard Class: WGK 2
Remarks: Classification according to Annex 4 VwVwS

VOC
VOC (EU) 0 %

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

Other information
registry number 170109

15.2. Chemical safety assessment
For this mixture a chemical safety assessment has not been carried out.

SECTION 16: Other information

R-phrases listed in Chapter 3
22 Harmful if swallowed.
35 Causes severe burns.
36 Irritating to eyes.
41 Risk of serious damage to eyes.

Hazard statements listed in Chapter 3
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H322 Harmful if inhaled.
H373 May cause damage to organs through prolonged or repeated exposure.

CLP categories listed in Chapter 3
Acute Tox. 4 Acute toxicity, Category 4
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
Skin Corr. 1A Skin corrosion, Category 1A
STOT RE 2 Specific target organ toxicity - repeated exposure, Category 2

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.
<table>
<thead>
<tr>
<th>neodisher SBR extra</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version: 2 / GB</td>
</tr>
<tr>
<td>Replaces Version: 1 / GB</td>
</tr>
<tr>
<td>Date revised: 04.12.2015</td>
</tr>
<tr>
<td>Print date: 02.02.16</td>
</tr>
</tbody>
</table>