

# neodisher SBR extra

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Replaces Version: 2 / GB

Date revised: 18.09.2018

Print date: 18.09.18

## SECTION 1: Identification

### 1.1. Product identifier

neodisher SBR extra

### 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

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)

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Met. Corr. 1	H290
Skin Irrit. 2	H315
Eye Dam. 1	H318
STOT RE 2	H373

Route of exposure: inhalative

### 2.2. Label elements

#### Labelling according to regulation (EC) No 1272/2008

#### Hazard pictograms



#### Signal word

Danger

#### Hazard statements

H290	May be corrosive to metals.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H373	May cause damage to organs through prolonged or repeated exposure:

#### Precautionary statements

P261                      Avoid breathing dust/fume/gas/mist/vapours/spray.

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P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P302+P352 IF ON SKIN: Wash with plenty of soap and 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.  
 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 ethylene diamine tetraacetate

### 2.3. Other hazards

No special hazards have to be mentioned.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients

##### Tetrasodium ethylene diamine tetraacetate

CAS No.	64-02-8			
EINECS no.	200-573-9			
Registration no.	01-2119486762-27			
Concentration	>= 15	<	30	%
Classification (Regulation (EC) No. 1272/2008)				
	Acute Tox. 4		H302	Route of exposure: oral
	Acute Tox. 4		H332	Route of exposure: inhalative
	Eye Dam. 1		H318	
	STOT RE 2		H373	

##### sodium hydroxide

CAS No.	1310-73-2			
EINECS no.	215-185-5			
Registration no.	01-2119457892-27			
Concentration		<	1	%
Classification (Regulation (EC) No. 1272/2008)				
	Skin Corr. 1A		H314	

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

Eye Irrit. 2	H319	>= 0.5 < 2
Skin Corr. 1A	H314	>= 5
Skin Corr. 1B	H314	>= 2 < 5
Skin Irrit. 2	H315	>= 0.5 < 2

##### tetrasodium (1-hydroxyethylidene)bisphosphonate

CAS No.	3794-83-0			
EINECS no.	223-267-7			
Concentration	>= 1	<	10	%
Classification (Regulation (EC) No. 1272/2008)				
	Acute Tox. 4		H302	Route of exposure: oral
	Eye Irrit. 2		H319	

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

Eye Irrit. 2	H319	> 30 %
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### Other information

Complete text of hazard statements in chapter 16

## SECTION 4: First aid measures

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## 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

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

#### 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

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.

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## 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

#### Recommended storage temperature

Value > 0 < 30 °C

#### 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 TRGS 510 10-13 Other combustible and non-combustible substances

### 7.3. Specific end use(s)

no data

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limit values

##### sodium hydroxide

List	EH40	
Type	WEL	
Short term exposure limit	2	mg/m <sup>3</sup>
Status: 2011		

#### 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.

#### Respiratory protection

Not necessary, but do not inhale vapours. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

#### Hand protection

Chemical resistant gloves			
Use	Permanent hand contact		
Appropriate Material	neoprene		
Material thickness	>=	0,65	mm
Breakthrough time	>	480	min
Appropriate Material	nitrile		
Material thickness	>=	0,4	mm

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Breakthrough time	>	480	min
Appropriate Material		butyl	
Material thickness	>=	0,7	mm
Breakthrough time	>	480	min
Use		Short-term hand contact	
Appropriate Material		nitrile	
Material thickness	>=	0,11	mm
Hand protection must comply with EN 374.			

## Eye protection

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

<b>Form</b>		liquid		
<b>Colour</b>		light yellow		
<b>Odour</b>		characteristic		
<b>Odour threshold</b>				
Remarks		not determined		
<b>pH value</b>				
Value	appr.	13,5		
Temperature		20	°C	
<b>Melting point</b>				
Remarks		not determined		
<b>Freezing point</b>				
Remarks		not determined		
<b>Initial boiling point and boiling range</b>				
Remarks		not determined		
<b>Flash point</b>				
Remarks		Not applicable		
<b>Evaporation rate (ether = 1) :</b>				
Remarks		not determined		
<b>Flammability (solid, gas)</b>				
evaluation		not determined		
<b>Upper/lower flammability or explosive limits</b>				
Remarks		not determined		
<b>Vapour pressure</b>				
Remarks		not determined		
<b>Vapour density</b>				
Remarks		not determined		
<b>Density</b>				
Value		1,23		g/cm <sup>3</sup>
Temperature		20	°C	
<b>Solubility in water</b>				
Remarks		miscible in all proportions		
<b>Solubility(ies)</b>				

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Remarks not determined

## Partition coefficient: n-octanol/water

Remarks not determined

## Ignition temperature

Remarks not determined

## Decomposition temperature

Remarks not determined

## Viscosity

### dynamic

Value < 50 mPa.s  
Temperature 20 °C

## Explosive properties

evaluation not determined

## Oxidising properties

evaluation None known

## 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 ethylene diamine tetraacetate

Reference substance Tetrasodium ethylene diamine tetraacetate  
Species rat

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LD50 >= 1780 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 irritant

## Serious eye damage/irritation

evaluation irritant - risk of serious damage to eyes

## 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)

### Repeated exposure

evaluation May cause damage to organs through prolonged or repeated exposure  
Route of exposure inhalative  
Organs: Lungs

## 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 ethylene diamine tetraacetate

Species Bluegill (*Lepomis macrochirus*)  
LC50 100 mg/l  
Duration of exposure 96 h  
Remarks Test conducted with a similar formulation.

#### Daphnia toxicity (Components)

##### Tetrasodium ethylene diamine tetraacetate

Species *Daphnia magna*  
EC50 > 100 mg/l  
Duration of exposure 48 h

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Method DIN 38412 / Part 11

## Algae toxicity (Components)

### Tetrasodium ethylene diamine 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

### 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

Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

## 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	3267	3267	3267
14.2. UN proper shipping name	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Tetrasodium ethylene diamine tetraacetate)	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Tetrasodium ethylene diamine tetraacetate)	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Tetrasodium ethylene diamine tetraacetate)

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<b>14.3. Transport hazard class(es)</b>	8	8	8
Label			
<b>14.4. Packing group</b>	III	III	III
Limited Quantity	5 I		
Transport category	3		
<b>14.5. Environmental hazards</b>		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

## 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

#### 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

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure:

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## 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
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.