

# neodisher 80

Version: 2 / GB

Replaces Version: 1 / GB

Date revised: 22.04.2022

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

### 1.1. Product identifier

neodisher 80

### 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)

Met. Corr. 1	H290
Skin Corr. 1A	H314
Eye Dam. 1	H318
STOT SE 3	H335
Aquatic Chronic 3	H412

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

H290

May be corrosive to metals.

H314

Causes severe skin burns and eye damage.

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H335 May cause respiratory irritation.  
H412 Harmful to aquatic life with long lasting effects.

## Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P273 Avoid release to the environment.  
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 sodium hydroxide; disodium metasilicate

## Supplemental information

### Further supplemental information

Contact with acids liberates toxic gas.

## 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  $\geq 25$  < 50 %  
Classification (Regulation (EC) No. 1272/2008)  
Skin Corr. 1B H314  
STOT SE 3 H335  
Eye Dam. 1 H318  
Met. Corr. 1 H290

##### sodium hydroxide

CAS No. 1310-73-2  
EINECS no. 215-185-5  
Registration no. 01-2119457892-27  
Concentration  $\geq 10$  < 25 %  
Classification (Regulation (EC) No. 1272/2008)  
Met. Corr. 1 H290  
Skin Corr. 1A H314  
Eye Dam. 1 H318

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

Eye Irrit. 2 H319  $\geq 0.5 < 2$   
Skin Corr. 1A H314  $\geq 5$   
Skin Corr. 1B H314  $\geq 2 < 5$   
Skin Irrit. 2 H315  $\geq 0.5 < 2$

##### sodium carbonate

CAS No. 497-19-8

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EINECS no. 207-838-8  
Registration no. 01-2119485498-19  
Concentration  $\geq 1$  < 10 %  
Classification (Regulation (EC) No. 1272/2008)  
Eye Irrit. 2 H319

## troclosene sodium

CAS No. 2893-78-9  
EINECS no. 220-767-7  
Registration no. 01-2119489371-33  
Concentration  $\geq 1$  < 2,5 %  
Classification (Regulation (EC) No. 1272/2008)  
Ox. Sol. 2 H272  
Acute Tox. 4 H302  
Eye Irrit. 2 H319  
STOT SE 3 H335  
Aquatic Acute 1 H400  
Aquatic Chronic 1 H410

Concentration limits (Regulation (EC) No. 1272/2008)  
STOT SE 3 H335  $\geq 10$  %  
EUH031  $\geq 10$  %  
CLP Regulation (EC) No 1272/2008, Annex VI, Note G

## 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

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

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## 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.

### 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.

#### 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 < 25 °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

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## 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

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

Form	solid
Colour	white
Odour	characteristic
Odour threshold	
Remarks	not determined
pH value	
Value	appr. 14
Concentration/H <sub>2</sub> O	10 %
Temperature	20 °C
Melting point	
Remarks	not determined
Freezing point	

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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 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 not determined

## Oxidising properties

Remarks not determined

## 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.

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## 10.4. Conditions to avoid

No hazardous reactions known.

## 10.5. Incompatible materials

Strong exothermic reaction with acids. Evolution of chlorine under influence of 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)

##### troclosene sodium

Species	rat		
LD50		1400	mg/kg

##### Sodium carbonate

Species	rat		
LD50		2800	mg/kg

##### disodium metasilicate pentahydrate

Species	rat		
LD50		1150 to 1350	mg/kg

#### Acute dermal toxicity

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

#### Acute dermal toxicity (Components)

##### troclosene sodium

Species	rat		
LD50	>	5000	mg/kg
Source	IUCLID		

##### Sodium carbonate

Species	rabbit		
LD50	>	2000	mg/kg

#### Acute inhalational toxicity

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

#### Acute inhalative toxicity (Components)

##### Sodium carbonate

Species	mouse		
LC50		1,2	mg/l
Duration of exposure		2 h	

##### Sodium carbonate

Species	rat		
LC50		2,3	mg/l
Duration of exposure		2 h	

#### Skin corrosion/irritation

evaluation	strongly corrosive
Remarks	The classification criteria are met.

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## Serious eye damage/irritation

evaluation strongly 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.

## Reproduction toxicity (Components)

### Sodium carbonate

Remarks No indications of toxic effects were observed in reproduction studies in animals.

## 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)

##### troclosene sodium

Species	Bluegill ( <i>Lepomis macrochirus</i> )	
LC50	0,28	mg/l
Duration of exposure	96	h
Source	IUCLID	

##### sodium hydroxide

Species	rainbow trout ( <i>Oncorhynchus mykiss</i> )	
LC50	45,4	mg/l
Duration of exposure	96	h

##### Sodium carbonate

Species	Bluegill ( <i>Lepomis macrochirus</i> )	
LC50	300	mg/l



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Duration of exposure 96 h

## disodium metasilicate pentahydrate

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

## Daphnia toxicity (Components)

### troclosene sodium

Species *Daphnia magna*  
LC50 0,18 to 0,21 mg/l  
Duration of exposure 48 h  
Source IUCLID

### sodium hydroxide

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

### Sodium carbonate

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

## disodium metasilicate pentahydrate

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

## Algae toxicity (Components)

### troclosene sodium

Species *Chlorella pyrenoidosa*  
EC50 < 0,5 mg/l  
Duration of exposure 3 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

### 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.

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## 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
Tunnel restriction code	E		
IMDG-Code segregation group		18 Alkalis	
<b>14.1. UN number</b>	1759	1759	1759
<b>14.2. UN proper shipping name</b>	CORROSIVE SOLID, N.O.S. (sodium hydroxide, disodium metasilicate)	CORROSIVE SOLID, N.O.S. (sodium hydroxide, disodium metasilicate)	CORROSIVE SOLID, N.O.S. (sodium hydroxide, disodium metasilicate)
<b>14.3. Transport hazard class(es)</b>	8	8	8
Label			
<b>14.4. Packing group</b>	II	II	II
Limited Quantity	1 kg		
Transport category	2		
<b>14.5. Environmental hazards</b>		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)

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**30 % and more: \*\*\***

phosphates

**less than 5 %: \*\*\***

chlorine-based bleaching agents, aliphatic hydrocarbons

## 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; oxidizer.
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.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic 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 1	Hazardous to the aquatic environment, chronic, Category 1
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. 2	Oxidising solid, Category 2
Skin Corr. 1A	Skin corrosion, Category 1A
Skin Corr. 1B	Skin corrosion, Category 1B
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  
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  
CAS: Chemical Abstracts Service  
VOC: Volatile Organic Compound  
ISO: International Organization for Standardization  
LD: Lethal dose  
LC: Lethal concentration  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: Very persistent and very bioaccumulative  
SVHC: Substances of very high concern  
OECD: Organisation for Economic Co-operation and Development



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### 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.