

# neodisher LaboClean F

Version: 2 / GB

Replaces Version: - / GB

Date revised: 11.12.2018

Print date: 11.12.18

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

### 1.1. Product identifier

neodisher LaboClean F

### 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)**

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

Met. Corr. 1	H290
Skin Corr. 1A	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**

H290	May be corrosive to metals.
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.

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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

### 2.3. Other hazards

No special hazards have to be mentioned.

## 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	>= 10	<	25	%
Classification (Regulation (EC) No. 1272/2008)				
	Skin Corr. 1B		H314	
	STOT SE 3		H335	
	Eye Dam. 1		H318	
	Met. Corr. 1		H290	

##### sodium carbonate

CAS No.	497-19-8			
EINECS no.	207-838-8			
Registration no.	01-2119485498-19			
Concentration	>= 10	<	25	%
Classification (Regulation (EC) No. 1272/2008)				
	Eye Irrit. 2		H319	

##### sodium hydroxide

CAS No.	1310-73-2			
EINECS no.	215-185-5			
Registration no.	01-2119457892-27			
Concentration	>= 25	<	50	%
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

#### Other information

Complete text of hazard statements in chapter 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

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## 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

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.

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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 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 < 30 °C

#### Requirements for storage rooms and vessels

Keep in original packaging, tightly closed.

#### 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

#### 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		

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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

<b>Form</b>	solid
<b>Colour</b>	white
<b>Odour</b>	characteristic
<b>Odour threshold</b>	
Remarks	not determined
<b>pH value</b>	
Value	appr. 14
Concentration/H <sub>2</sub> O	10 %
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 applicable
<b>Upper/lower flammability or explosive limits</b>	
Remarks	Not applicable
<b>Vapour pressure</b>	
Remarks	not determined
<b>Vapour density</b>	
Remarks	not determined
<b>Density</b>	
Remarks	not determined
<b>Solubility in water</b>	
Remarks	soluble
<b>Solubility(ies)</b>	
Remarks	not determined
<b>Partition coefficient: n-octanol/water</b>	

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Remarks not determined

## Ignition temperature

Remarks Not applicable

## Decomposition temperature

Remarks not determined

## Viscosity

Remarks Not applicable

## Explosive properties

evaluation not determined

## Oxidising properties

evaluation None known

## 9.2. Other information

### Bulk density

Value appr. 1000 kg/m<sup>3</sup>

### 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

Strong exothermic reaction with acids.

### 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)

##### disodium metasilicate

Species rat  
LD50 1150 mg/kg

##### sodium carbonate

Species rat

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LD50 2800 mg/kg

## 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 strongly corrosive

## Serious eye damage/irritation

evaluation strongly 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)

##### disodium metasilicate

Species mosquito fish  
LC50 2320 mg/l  
Duration of exposure 96 h

##### disodium metasilicate

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

##### sodium hydroxide

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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
Duration of exposure	96	h

## Daphnia toxicity (Components)

### 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

## Bacteria toxicity (Components)

### disodium metasilicate

Species	activated sludge	
EC50	> 100	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.

## 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.



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## 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
<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	
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)

5 % or over but less than 15 %:

polycarboxylates

#### Water Hazard Class (Germany)

Water Hazard Class WGK 1

(Germany)

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

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## 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

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

### CLP categories listed in Chapter 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
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

### 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.