

# neodisher LaboClean LA

Version: 2 / GB

Replaces Version: 1 /  
GB

Date revised: 18.10.2016

Print date: 28.06.17

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

### 1.1. Product identifier

neodisher LaboClean LA

### 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)

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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.
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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/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 pentahydrate

### 2.3. Other hazards

No special hazards have to be mentioned.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients

##### fatty alcohol, ethoxylated

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

##### 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 carbonate

CAS No.	497-19-8
EINECS no.	207-838-8
Registration no.	01-2119485498-19
Concentration	$\geq 10$ < 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	$\geq 25$ < 50 %
Classification (Regulation (EC) No. 1272/2008)	
	Skin Corr. 1A H314
	Eye Dam. 1 H318
	Met. Corr. 1 H290

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

Skin Corr. 1A	H314	$\geq 5$
Skin Irrit. 2	H315	$\geq 0,5 < 2$
Eye Irrit. 2	H319	$\geq 0,5 < 2$
Skin Corr. 1B	H314	$\geq 2 < 5$

## 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

### 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.

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## 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

#### Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Provide solvent-resistant and impermeable floor.

#### Storage class according to TRGS 510

Storage class according to TRGS 510	8B	Non-combustible corrosive hazardous substances
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### 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

Contains no substances with occupational exposure limit values.

### 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 (EN 374)	
Use	Permanent hand contact
Appropriate Material	neoprene

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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

## 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

<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	%
<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>			
Remarks	not determined		
<b>Solubility in water</b>			
Remarks	soluble		

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## Solubility(ies)

Remarks not determined

## Partition coefficient: n-octanol/water

Remarks not determined

## Ignition temperature

Remarks not determined

## Decomposition temperature

Remarks not determined

## Viscosity

Remarks Not applicable

## Explosive properties

evaluation not determined

## Oxidising properties

Remarks not determined

## 9.2. Other information

### Bulk density

Value 1,075 to 1,125 g/cm<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

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Species	rat		
LD50		1150	mg/kg

## sodium carbonate

Species	rat		
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.

## 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

## 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

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## 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 carbonate

Species	Bluegill (Lepomis macrochirus)		
LC50	300		mg/l
Duration of exposure	96	h	

### sodium hydroxide

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

## Daphnia toxicity (Components)

### sodium carbonate

Species	Ceriodaphnia spec		
EC50	200	to	227
Duration of exposure	48	h	

### sodium hydroxide

Species	Daphnia magna		
EC50	> 100		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

### General information

not determined



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## 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.

#### 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	1759	1759	1759
14.2. UN proper shipping name	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)
14.3. Transport hazard class(es)	8	8	8
Label			
14.4. Packing group	II	II	II
Limited Quantity	1 kg		
Transport category	2		
14.5. Environmental hazards		no	
Tunnel restriction code	E		
IMDG-Code segregation group		18 Alkalies	

## Information for all modes of transport

### 14.6. Special precautions for user

See Sections 6 to 8

## Other information

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## 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 %:

phosphates

less than 5 %:

polycarboxylates, non-ionic surfactants

#### Water Hazard Class (Germany)

Water Hazard Class                      WGK 1  
(Germany)

Remarks                                      Classification according to Annex 4 VwVwS

#### 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.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
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
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
Skin Irrit. 2	Skin irritation, Category 2
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

### 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.