

# neodisher MediClean advanced

Version: 1 / GB

Replaces Version: - / GB

Date revised: 03.08.2021

Print date: 03.08.21

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

### 1.1. Product identifier

neodisher MediClean advanced

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Use of the substance/preparation

Cleaners

#### 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)

Skin Irrit. 2	H315
Eye Dam. 1	H318

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

H315	Causes skin irritation.
H318	Causes serious eye damage.

#### Precautionary statements

# neodisher MediClean advanced

Version: 1 / GB

Replaces Version: - / GB

Date revised: 03.08.2021

Print date: 03.08.21

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 1-aminopropan-2-ol; trisodium 2-(carboxylatomethyl(2-hydroxyethyl)amino)ethyliminodi(acetate)  
 EUH208 Contains subtilisin, May produce an allergic reaction.

### 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

##### 1-aminopropan-2-ol

CAS No.	78-96-6			
EINECS no.	201-162-7			
Registration no.	01-2119475331-43			
Concentration	>= 1	< 10		%
Classification (Regulation (EC) No. 1272/2008)	Acute Tox. 4	H312		Route of exposure: dermal
	Skin Corr. 1B	H314		
	Eye Dam. 1	H318		

##### trisodium 2-(carboxylatomethyl(2-hydroxyethyl)amino)ethyliminodi(acetate)

CAS No.	139-89-9			
EINECS no.	205-381-9			
Registration no.	01-2119972845-22			
Concentration	>= 1	< 10		%
Classification (Regulation (EC) No. 1272/2008)	Acute Tox. 4	H302		Route of exposure: oral
	Eye Dam. 1	H318		

##### fatty alcohols, alkoxylated

CAS No.	120313-48-6			
Concentration	>= 0,1	< 1		%
Classification (Regulation (EC) No. 1272/2008)	Skin Irrit. 2	H315		
	Aquatic Acute 1	H400		
	Aquatic Chronic 3	H412		

##### subtilisin

CAS No.	9014-01-1			
EINECS no.	232-752-2			
Registration no.	01-2119480434-38			
Concentration	>= 0,1	< 1		%
Classification (Regulation (EC) No. 1272/2008)	Acute Tox. 4	H302		Route of exposure: oral
	Skin Irrit. 2	H315		
	Eye Dam. 1	H318		

# neodisher MediClean advanced

Version: 1 / GB

Replaces Version: - / GB

Date revised: 03.08.2021

Print date: 03.08.21

Resp. Sens. 1	H334
STOT SE 3	H335
Aquatic Acute 1	H400
Aquatic Chronic 2	H411

## sodium lauroylsarcosinate

CAS No.	137-16-6
EINECS no.	205-281-5
Registration no.	01-2119527780-39
Concentration	>= 0,1 < 1 %
Classification (Regulation (EC) No. 1272/2008)	
Acute Tox. 2	H330
Skin Irrit. 2	H315
Eye Dam. 1	H318

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

Acute Tox. 2	H330	> 34,5 %
Acute Tox. 4	H332	<= 34,5 %
Skin Irrit. 2	H315	> 30 %
Eye Irrit. 2	H319	>= 1 <= 30 %

## Further ingredients

### 2,2',2''-nitrilotriethanol

CAS No.	102-71-6
EINECS no.	203-049-8
Registration no.	01-2119486482-31
Concentration	>= 10 < 25 %
Advice:	[3]

### 1,2-propylene glycole

CAS No.	57-55-6
EINECS no.	200-338-0
Registration no.	01-2119456809-23
Concentration	>= 1 < 10 %
Advice:	[3]

## Note

[3] Substance with occupational exposure limits

## 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, 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.

# neodisher MediClean advanced

Version: 1 / GB

Replaces Version: - / GB

Date revised: 03.08.2021

Print date: 03.08.21

## 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.

### 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.

# neodisher MediClean advanced

Version: 1 / GB

Replaces Version: - / GB

Date revised: 03.08.2021

Print date: 03.08.21

## 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 rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### Storage classes

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

### Further information on storage conditions

Protect from heat and direct sunlight. Keep container tightly closed and dry.

## 7.3. Specific end use(s)

no data

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limit values

##### Propane-1,2-diol

List EH40  
Type OES  
Value 10 mg/m<sup>3</sup>  
Status: 2011

##### subtilisin

List EH40  
Type WEL  
Value 0.00004 mg/m<sup>3</sup>  
Status: 2020; Remarks: Sen

#### 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
Breakthrough time	> 480 min
Appropriate Material	butyl
Material thickness	>= 0,7 mm
Breakthrough time	> 480 min

# neodisher MediClean advanced

Version: 1 / GB

Replaces Version: - / GB

Date revised: 03.08.2021

Print date: 03.08.21

Use Short-term hand contact  
Appropriate Material nitrile  
Material thickness  $\geq$  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** liquid, clear

**Colour** yellowish

**Odour** characteristic

#### Odour threshold

Remarks not determined

#### pH value

Value 10,6

Temperature 20 °C

#### Melting point

Remarks not determined

#### Freezing point

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 applicable

#### Upper/lower flammability or explosive limits

Remarks Not applicable

#### Vapour pressure

Remarks not determined

#### Vapour density

Remarks not determined

#### Density

Value 1,14 g/cm<sup>3</sup>

Temperature 20 °C

#### Solubility in water

Remarks soluble

#### Solubility(ies)

Remarks not determined

#### Partition coefficient: n-octanol/water

Remarks not determined

# neodisher MediClean advanced

Version: 1 / GB

Replaces Version: - / GB

Date revised: 03.08.2021

Print date: 03.08.21

## Ignition temperature

Remarks Not applicable

## Decomposition temperature

Remarks not determined

## Viscosity

### kinematic

Value < 10 mm<sup>2</sup>/s  
Temperature 20 °C

## Explosive properties

evaluation no

## 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.

### 10.5. Incompatible materials

Reactions with acids and strong oxidising agents.

### 10.6. Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute oral toxicity

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)

##### 1-Aminopropan-2-ol

Species rat (male)  
LD50 2813 mg/kg

##### trisodium 2-(carboxylatomethyl(2-hydroxyethyl)amino)ethyliminodi(acetate)

Species rat  
LD50 1612 mg/kg  
Method OECD 401

#### Acute dermal toxicity

# neodisher MediClean advanced

Version: 1 / GB

Replaces Version: - / GB

Date revised: 03.08.2021

Print date: 03.08.21

ATE > 2000 mg/kg  
Method calculated value (Regulation (EC) No. 1272/2008)  
Remarks Based on available data, the classification criteria are not met.

## Acute dermal toxicity (Components)

### 1-Aminopropan-2-ol

Species rabbit  
LD50 1851 mg/kg

## Acute inhalational toxicity

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

## Skin corrosion/irritation

evaluation irritant  
Remarks The classification criteria are met.

## Serious eye damage/irritation

evaluation 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.

## Carcinogenicity

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

## Specific Target Organ Toxicity (STOT)

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

**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 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)

##### fatty alcohols, alkoxylated

Species golden orfe (*Leuciscus idus*)  
LC50 1 to 10 mg/l  
Duration of exposure 96 h

# neodisher MediClean advanced

Version: 1 / GB

Replaces Version: - / GB

Date revised: 03.08.2021

Print date: 03.08.21

## Daphnia toxicity (Components)

### fatty alcohols, alkoxyated

Species	Daphnia magna				
EC50	0,1	to	1	mg/l	
Duration of exposure	48	h			
Method	OECD 202				

## Algae toxicity (Components)

### fatty alcohols, alkoxyated

Species	Scenedesmus subspicatus				
EC50	0,1	to	1	mg/l	
Duration of exposure	72	h			
Method	OECD 201				

## 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

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Do not discharge product unmonitored into the environment.

## 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

# neodisher MediClean advanced

Version: 1 / GB

Replaces Version: - / GB

Date revised: 03.08.2021

Print date: 03.08.21

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
<b>14.1. UN number</b>	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

## 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 %:

phosphonates

less than 5 %:

anionic surfactants, non-ionic surfactants

#### Further ingredients

enzymes

### 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.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### CLP categories listed in Chapter 3

Acute Tox. 2	Acute toxicity, Category 2
Acute Tox. 4	Acute toxicity, Category 4
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Eye Dam. 1	Serious eye damage, Category 1
Resp. Sens. 1	Respiratory sensitization, Category 1
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Skin irritation, Category 2

# neodisher MediClean advanced

Version: 1 / GB

Replaces Version: - / GB

Date revised: 03.08.2021

Print date: 03.08.21

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

IBC: Intermediate Bulk Container

CAS: Chemical Abstracts Service

VOC: Volatile Organic Compound

LD: Lethal dose

LC: Lethal concentration

PBT: Persistent, Bioaccumulative and Toxic

vPvB: Very persistent and very bioaccumulative

SVHC: Substances of very high concern

MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978 (MARPOL: Marine Pollution)

ISO: International Organization for Standardization

OECD: Organisation for Economic Co-operation and Development

IMO: International Maritime Organization

UN: United Nations

EU: European Union

## 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.