

# neodisher MediKlar special

Version: 2 / GB

Replaces Version: 1 /  
GB

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

### 1.1. Product identifier

neodisher MediKlar special

### 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)  
Eye Irrit. 2                      H319

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

Warning

#### Hazard statements

H319                      Causes serious eye irritation.

#### Precautionary statements

P280                      Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338      IF IN EYES: Rinse cautiously with water for several minutes. Remove contact  
                                 lenses, if present and easy to do. Continue rinsing.  
P337+P313              If eye irritation persists: Get medical advice/attention.  
                                 Dispose only when container is empty and closed. For disposal of product

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residues, refer to safety data sheet.

## 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

##### fatty alcohols, ethoxylated, propoxylated

CAS No.	68439-51-0			
Concentration	$\geq 10$	$< 25$		%
Classification (Regulation (EC) No. 1272/2008)	Aquatic Chronic 3	H412		

##### citric acid

CAS No.	77-92-9			
EINECS no.	201-069-1			
Registration no.	01-2119457026-42			
Concentration	$\geq 1$	$< 10$		%
Classification (Regulation (EC) No. 1272/2008)	Eye Irrit. 2	H319		

##### sodium cumenesulfonate

CAS No.	15763-76-5			
EINECS no.	239-854-6			
Registration no.	01-2119489411-37			
Concentration	$\geq 1$	$< 10$		%
Classification (Regulation (EC) No. 1272/2008)	Eye Irrit. 2	H319		

#### 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.

#### 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.

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## 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.

### 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.

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## Storage classes

Storage class according to  
TRGS 510

12

Non-combustible liquids

## 7.3. Specific end use(s)

no data

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 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

Appropriate Material

Material thickness

Breakthrough time

Appropriate Material

Material thickness

Breakthrough time

Appropriate Material

Material thickness

Breakthrough time

Use

Appropriate Material

Material thickness

Hand protection must comply with EN 374.

Permanent hand contact

neoprene

>= 0,65

mm

> 480

min

nitrile

>= 0,4

mm

> 480

min

butyl

>= 0,7

mm

> 480

min

Short-term hand contact

nitrile

>= 0,11

mm

#### 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

Colour

colourless

Odour

characteristic

Odour threshold

Remarks

not determined

pH value

Value

appr. 2

Temperature

20

°C

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## 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 determined

## Upper/lower flammability or explosive limits

Remarks Not applicable

## Vapour pressure

Remarks not determined

## Vapour density

Remarks not determined

## Density

Value 1,05 g/cm<sup>3</sup>  
Temperature 20 °C

## Solubility in water

Remarks miscible in all proportions

## Solubility(ies)

Remarks not determined

## Partition coefficient: n-octanol/water

Remarks not determined

## Ignition temperature

Remarks Not applicable

## Decomposition temperature

Remarks not determined

## Viscosity

### dynamic

Value < 50 mPa.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

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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

None known

## 10.6. Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute oral toxicity

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

#### Acute oral toxicity (Components)

##### fatty alcohols, ethoxylated, propoxylated

Species	rat	
LD50	> 2000	mg/kg
Method	EEC 84/449, B.1	

##### sodium cumenesulfonate

Species	rat	
LD50	> 2000	mg/kg
Method	OECD 401	

##### citric acid

Species	rat	
LD50	11700	mg/kg

##### citric acid

Species	mouse	
LD50	5040	mg/kg

#### Acute dermal toxicity

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

#### Acute dermal toxicity (Components)

##### fatty alcohols, ethoxylated, propoxylated

Species	rat	
LD50	> 5000	mg/kg

#### Acute inhalational toxicity

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

#### Skin corrosion/irritation

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

#### Serious eye damage/irritation

evaluation irritant

#### Sensitization

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

#### Subacute, subchronic, chronic toxicity

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Remarks	Based on available data, the classification criteria are not met.
<b>Mutagenicity</b>	
Remarks	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	
Remarks	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	
Remarks	Based on available data, the classification criteria are not met.
<b>Specific Target Organ Toxicity (STOT)</b>	
<b>Single exposure</b>	
Remarks	Based on available data, the classification criteria are not met.
<b>Repeated exposure</b>	
Remarks	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	
Based on available data, the classification criteria are not met.	
<b>Experience in practice</b>	
Inhalation may lead to irritation of the respiratory tract.	
<b>Other information</b>	
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, ethoxylated, propoxylated

Species	guppy (Poecilia reticulata)			
LC50	1	to	10	mg/l
Duration of exposure	96	h		
Method	OECD 203			

##### citric acid

Species	golden orfe (Leuciscus idus)			
LC50	440	to	706	mg/l
Duration of exposure	96	h		

#### Daphnia toxicity (Components)

##### fatty alcohols, ethoxylated, propoxylated

Species	Daphnia magna			
EC50	1	to	10	mg/l
Duration of exposure	48	h		
Method	OECD 202			

##### citric acid

Species	Daphnia magna			
EC50	120			mg/l
Duration of exposure	72	h		

#### Algae toxicity (Components)

##### fatty alcohols, ethoxylated, propoxylated

Species	Scenedesmus subspicatus			
EC50	1	to	10	mg/l
Duration of exposure	72	h		

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Method OECD 201

## Bacteria toxicity (Components)

**fatty alcohols, ethoxylated, propoxylated**

Species Pseudomonas putida

EC0 > 100 mg/l

Method OECD 209

## 12.2. Persistence and degradability

### General information

not determined

### Biodegradability (Components)

**fatty alcohols, ethoxylated, propoxylated**

evaluation Readily biodegradable (according to OECD criteria)

### Ready degradability (Components)

citric acid

## 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



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	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	Non-dangerous goods	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)

##### 15 % or over but less than 30 %:

non-ionic surfactants

##### less than 5 %:

phosphonates

#### Further ingredients

preservation agents: Mixture of: 5-Chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-Methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1) / C(M)IT/MIT (3:1)

#### Water Hazard Class (Germany)

Water Hazard Class  
(Germany)

WGK 2

Remarks

Derivation of WGK according to Annex 1 No. 5.2 AwSV

#### 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

H319

Causes serious eye irritation.

H412

Harmful to aquatic life with long lasting effects.

### CLP categories listed in Chapter 3

Aquatic Chronic 3

Hazardous to the aquatic environment, chronic, Category 3

Eye Irrit. 2

Eye irritation, Category 2

### 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

IATA: International Air Transport Association

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ICAO: International Civil Aviation Organization  
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.