

# neodisher TK

Version: 2 / GB

Replaces Version: 1 / GB

Date revised: 21.09.2022

Print date: 20.01.23

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

### 1.1. Product identifier

neodisher TK

### 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)

Skin Corr. 1B	H314
Eye Dam. 1	H318
STOT SE 3	H335
Aquatic Chronic 2	H411

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

H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.

# neodisher TK

Version: 2 / GB

Replaces Version: 1 / GB

Date revised: 21.09.2022

Print date: 20.01.23

## 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 trisodium phosphate; 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 substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

## 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	>= 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	>= 25	<	50		%
Classification (Regulation (EC) No. 1272/2008)					
	Eye Irrit. 2				H319

##### trisodium phosphate

CAS No.	10101-89-0				
EINECS no.	231-509-8				
Registration no.	02-2119752908-24				
Concentration	>= 10	<	25		%
Classification (Regulation (EC) No. 1272/2008)					
	Skin Irrit. 2				H315

# neodisher TK

Version: 2 / GB

Replaces Version: 1 / GB

Date revised: 21.09.2022

Print date: 20.01.23

Eye Irrit. 2 H319  
STOT SE 3 H335

## troclosene sodium

CAS No. 2893-78-9  
EINECS no. 220-767-7  
Registration no. 01-2119489371-33  
Concentration  $\geq 1$  < 10 %  
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  $\geq 10$  %

Additional remarks:

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

# neodisher TK

Version: 2 / GB

Replaces Version: 1 / GB

Date revised: 21.09.2022

Print date: 20.01.23

## 5.1. Extinguishing media

### Suitable extinguishing media

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

### Non suitable extinguishing media

Compatible with all usual extinguishing media.

## 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.

### 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

#### Other information

There are not known any further control parameters.

# neodisher TK

Version: 2 / GB

Replaces Version: 1 / GB

Date revised: 21.09.2022

Print date: 20.01.23

## 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	$\geq$ 0,65 mm
Breakthrough time	$>$ 480 min
Appropriate Material	nitrile
Material thickness	$\geq$ 0,4 mm
Breakthrough time	$>$ 480 min
Appropriate Material	butyl
Material thickness	$\geq$ 0,7 mm
Breakthrough time	$>$ 480 min
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.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	solid
<b>Colour</b>	white
<b>Odour</b>	characteristic
<b>Melting point</b>	
Remarks	not determined
<b>Freezing point</b>	
Remarks	not determined
<b>Boiling point or initial boiling point and boiling range</b>	
Remarks	not determined
<b>Flammability</b>	
evaluation	not determined
<b>Upper and lower explosive limits</b>	
Remarks	Not applicable
<b>Flash point</b>	
Remarks	Not applicable
<b>Ignition temperature</b>	
Remarks	Not applicable
<b>Decomposition temperature</b>	
Remarks	
Remarks	not determined

### pH value

# neodisher TK

Version: 2 / GB

Replaces Version: 1 / GB

Date revised: 21.09.2022

Print date: 20.01.23

Value	>	13	
Concentration/H <sub>2</sub> O		10	%
Temperature		20	°C

## Viscosity

Remarks Not applicable

## Solubility(ies)

Remarks not determined

## Partition coefficient n-octanol/water (log value)

Remarks not determined

## Vapour pressure

Remarks not determined

## Density and/or relative density

Remarks not determined

## Relative vapour density

Remarks not determined

## 9.2. Other information

### Odour threshold

Remarks not determined

### Evaporation rate (ether = 1) :

Remarks not determined

### Solubility in water

Remarks soluble

### Explosive properties

evaluation no

### Oxidising properties

evaluation None known

### Bulk density

Value 1075 to 1125 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.

### 10.5. Incompatible materials

Strong exothermic reaction with acids.

### 10.6. Hazardous decomposition products

No hazardous decomposition products known.

# neodisher TK

Version: 2 / GB

Replaces Version: 1 / GB

Date revised: 21.09.2022

Print date: 20.01.23

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### 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)

##### disodium metasilicate pentahydrate

Species	rat		
LD50	1150	to	1350 mg/kg

##### sodium carbonate

Species	rat		
LD50	2800		mg/kg

##### troclosene sodium

Species	rat		
LD50	1400		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

##### troclosene sodium

Species	rat		
LD50	>	5000	mg/kg
Source	IUCLID		

#### 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 corrosive  
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.

# neodisher TK

Version: 2 / GB

Replaces Version: 1 / GB

Date revised: 21.09.2022

Print date: 20.01.23

## 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

evaluation May cause respiratory irritation.  
Remarks The classification criteria are 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.

## 11.2 Information on other hazards

### Endocrine disrupting properties with respect to humans

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

### 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 pentahydrate

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

##### troclosene sodium

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

##### trisodium phosphate

Species	rainbow trout (Oncorhynchus mykiss)	
---------	-------------------------------------	--



# neodisher TK

Version: 2 / GB

Replaces Version: 1 / GB

Date revised: 21.09.2022

Print date: 20.01.23

LC50	>	100			mg/l
Duration of exposure		96	h		
Method		OECD 203			

## Daphnia toxicity (Components)

### disodium metasilicate pentahydrate

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

### sodium carbonate

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

### troclosene sodium

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

### trisodium phosphate

Species	Daphnia magna				
EC50	>	100			mg/l
Duration of exposure		48	h		
Method	OECD 202				

## Algae toxicity (Components)

### troclosene sodium

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

### trisodium phosphate

Species	Scenedesmus subspicatus				
LC50	>	100			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 (log value)

Remarks not determined

## 12.4. Mobility in soil

### General information

not determined

## 12.5. Results of PBT and vPvB assessment

### General information

not determined

### Results of PBT and vPvB assessment

The product contains no PBT or vPvB substances.

# neodisher TK

Version: 2 / GB

Replaces Version: 1 / GB

Date revised: 21.09.2022

Print date: 20.01.23

## 12.6 Endocrine disrupting properties

### Endocrine disrupting properties with respect to the environment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

## 12.7. 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

EWC waste code 18 01 06\* chemicals consisting of or containing dangerous substances

EWC waste code 20 01 29\* detergents containing dangerous substances

The listed waste code numbers, according to the European Waste Catalogue (EWC), are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

#### Disposal recommendations for packaging

EWC waste code 15 01 02 plastic packaging

Completely emptied packagings can be given for recycling.

EWC waste code 15 01 10\* packaging containing residues of or contaminated by dangerous substances

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

## SECTION 14: Transport information







# neodisher TK

Version: 2 / GB

Replaces Version: 1 / GB

Date revised: 21.09.2022

Print date: 20.01.23

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	E		
IMDG-Code segregation group		18 Alkalis	
14.1. UN number or ID number	1759	1759	1759
14.2. UN proper shipping name	CORROSIVE SOLID, N.O.S. (disodium metasilicate, troclosene sodium)	CORROSIVE SOLID, N.O.S. (disodium metasilicate, troclosene sodium)	CORROSIVE SOLID, N.O.S. (disodium metasilicate, troclosene sodium)
14.3. Transport hazard class(es)	8	8	8
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 kg	5 kg	
Transport category	3		
14.5. Environmental hazards	 ENVIRONMENTALLY HAZARDOUS	Marine Pollutant  ENVIRONMENTALLY HAZARDOUS	 ENVIRONMENTALLY HAZARDOUS

## Information for all modes of transport

### 14.6. Special precautions for user

See Sections 6 to 8

## Other information

### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Major-accident categories acc. 2012/18/EU

Category	E2	Hazardous to the Aquatic Environment	200	tonne	500	tonne
				s		s

#### Ingredients (Regulation (EC) No 648/2004)

15 % or over but less than 30 %:

# neodisher TK

Version: 2 / GB

Replaces Version: 1 / GB

Date revised: 21.09.2022

Print date: 20.01.23

phosphates

**less than 5 %:**

chlorine-based bleaching agents

## 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

### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

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

Skin Corr. 1B	H314
Eye Dam. 1	H318
STOT SE 3	H335
Aquatic Chronic 2	H411

### Hazard statements listed in Chapter 2/3

H272	May intensify fire; oxidizer.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
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.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

### CLP categories listed in Chapter 2/3

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
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
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. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Skin irritation, Category 2
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  
CAS: Chemical Abstracts Service  
VOC: Volatile Organic Compound  
LD: Lethal dose

# neodisher TK

Version: 2 / GB

Replaces Version: 1 / GB

Date revised: 21.09.2022

Print date: 20.01.23

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)

IBC: Intermediate Bulk Container

OEL: Occupational exposure limit

TSCA: Toxic Substances Control Act (USA)

IMO: International Maritime Organization

GHS: Globally Harmonized System of classification and Labelling of Chemicals

REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals

UN: United Nations

## 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.