neodisher TP oxy

Version: 2 / GB | Replaces Version: 1 / GB | Date revised: 28.11.2016 | Print date: 28.06.17

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

1.1. Product identifier

neodisher TP oxy

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)

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

Acute Tox. 4	H302
Eye Dam. 1	H318

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms

Signal word

Danger

Hazard statements

H302	Harmful if swallowed.
H318	Causes serious eye damage.

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.
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 hydrogen peroxide solution

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients

hydrogen peroxide solution

CAS No.	7722-84-1				
EINECS no.	231-765-0				
Registration no.	01-2119485845-22				
Concentration	>=	28	<	35	%

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

Ox. Liq. 1	H271	
Acute Tox. 4	H332	Route of exposure: inhalative
Acute Tox. 4	H302	Route of exposure: oral
Skin Corr. 1A	H314	
Eye Dam. 1	H318	
STOT SE 3	H335	
Aquatic Chronic 3	H412	

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

Ox. Liq. 1	H271	>= 70
Skin Corr. 1B	H314	>= 50 < 70
Eye Irrit. 2	H319	>= 5 < 8
Eye Dam. 1	H318	>= 8 < 50
Skin Corr. 1A	H314	>= 70
Ox. Liq. 2	H272	>= 50 < 70
Skin Irrit. 2	H315	>= 35 < 50
STOT SE 3	H335	>= 35
Aquatic Chronic 3	H412	>= 63

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated, soaked clothing immediately and dispose of safely. Clean body thoroughly (bath, shower). In any case show the physician the Safety Data Sheet.

After inhalation

Ensure supply of fresh air. When spray fog inhaled, seek medical aid.

After skin contact

After contact with skin, wash immediately with plenty of water.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Summon a doctor immediately.

After ingestion

Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Do not induce vomiting.

Take medical treatment.

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 / treatment

Treat symptomatically

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

If a fire breaks out nearby, pressure build-up and danger of bursting are 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

Take up with absorbent material (eg sand, kieselguhr, universal binder). Do not pick up with the help of saw-dust or other combustible substances. Dispose of absorbed material in accordance with the regulations. Flush away residues with water.

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. Keep container tightly closed. Observe the usual precautions for handling chemicals.

Advice on protection against fire and explosion

The product is not combustible. Keep away from combustible material.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value	>=	-20	<	25	°C

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated.

Hints on storage assembly

Do not store with combustible materials.

Storage class according to TRGS 510

Storage class according to TRGS 510	5.1B	Oxidising hazardous substances

Further information on storage conditions

Protect from heat/overheating. Protect from contamination. Do not keep the container sealed.

7.3. Specific end use(s)

no data

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

hydrogen peroxide solution

List	EH40			
Type	WEL			
Value	1.4	mg/m³	1	ppm(V)
Short term exposure limit	2.8	mg/m³	2	ppm(V)

Status: 2011

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

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

Hand protection

Chemical resistant gloves (EN 374)

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
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

Form	liquid
Colour	colourless
Odour	characteristic
Odour threshold	
Remarks	not determined
pH value	
Value	appr. 1,8
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 determined
Vapour pressure	
Remarks	not determined
Vapour density	
Remarks	not determined
Density	
Value	1,11 g/cm³
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: not determined

Oxidising properties

evaluation: oxidizing

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

Protect from contamination.

10.3. Possibility of hazardous reactions

Do not keep the container sealed.

10.4. Conditions to avoid

Protect from heat and direct sunlight.

Decomposition temperature

Remarks: not determined

10.5. Incompatible materials

Reactions with combustible substances. Reactions with strong acids and alkalies. Reactions with alkali metals. Reactions with earth alkali metals. Reactions with metals in powder form.

10.6. Hazardous decomposition products

Oxygen

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

Reference substance	hydrogen peroxide solution
LD50	appr. 1200 mg/kg
Remarks	Test conducted with a similar formulation.

Acute dermal toxicity

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

Acute inhalational toxicity

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

Skin corrosion/irritation

evaluation: slight irritant effect - does not require labelling

Serious eye damage/irritation

Remarks: Risk of serious damage to eyes.

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	not determined

Aspiration hazard

No special hazards have to be mentioned.

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)

hydrogen peroxide solution

Species	Fathead minnow (Pimephales promelas)		
LC50	16,4		mg/l
Duration of exposure	96	h	

Daphnia toxicity (Components)

hydrogen peroxide solution

Species	Daphnia pulex		
EC50	2,4		mg/l
Duration of exposure	48	h	

Algae toxicity (Components)

hydrogen peroxide solution

Species	Chlorella vulgaris		
IC50	2,5		mg/l
Duration of exposure	72	h	

Bacteria toxicity (Components)

hydrogen peroxide solution

Species	activated sludge		
EC50	466		mg/l
Duration of exposure	30	min	
Method	OECD 209		

hydrogen peroxide solution

Species	activated sludge		
EC50	> 1000		mg/l
Duration of exposure	3	h	
Method	OECD 209		

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
Evaluation of persistance 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
Completely emptied packagings can be given for recycling.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	2014	2014	2014
14.2. UN proper shipping name	HYDROGEN PEROXIDE, AQUEOUS SOLUTION	HYDROGEN PEROXIDE, AQUEOUS SOLUTION	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
14.3. Transport hazard class(es)	5.1	5.1	5.1
Subsidiary risk	8	8	8
Label			

14.4. Packing group	II	II	II
Limited Quantity	1 l		
Transport category	2		
14.5. Environmental hazards		no	
Tunnel restriction code	E		
IMDG-Code segregation group		16 Peroxides	

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)

30 % and more:

oxygen-based bleaching agents

Water Hazard Class (Germany)

Water Hazard Class (Germany)	WGK 1
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

H271	May cause fire or explosion; strong oxidiser.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Eye Dam. 1	Serious eye damage, Category 1

Ox. Liq. 1	Oxidising liquid, Category 1
Skin Corr. 1A	Skin corrosion, Category 1A
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.