

# neodisher Septo PAC

Version: 4 / GB

Replaces Version: 3 / GB

Date revised: 18.01.2023

Print date: 08.11.23

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

### 1.1. Product identifier

neodisher Septo PAC

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

**Identified Uses**

disinfectants

### 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)

Org. Perox. F	H242
Skin Corr. 1A	H314
Eye Dam. 1	H318
Acute Tox. 4	H302
Acute Tox. 4	H332
STOT SE 3	H335
Met. Corr. 1	H290
Aquatic Chronic 1	H410

Route of exposure: oral

Route of exposure: inhalative

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

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## Hazard statements

H242	Heating may cause a fire.
H290	May be corrosive to metals.
H302+H332	Harmful if swallowed or if inhaled.
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.
H410	Very toxic to aquatic life with long lasting effects.

## Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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 peroxyacetic acid; hydrogen peroxide solution; acetic acid

## 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

##### hydrogen peroxide solution

CAS No.	7722-84-1
EINECS no.	231-765-0
Registration no.	01-2119485845-22
Concentration	>= 12 < 25 %
Classification (Regulation (EC) No. 1272/2008)	
Ox. Liq. 1	H271
Acute Tox. 4	H302
Acute Tox. 4	H332
Skin Corr. 1A	H314

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

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

Additional remarks:

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CLP Regulation (EC) No 1272/2008, Annex VI, Note B

## acetic acid

CAS No. 64-19-7  
EINECS no. 200-580-7  
Registration no. 01-2119475328-30  
Concentration  $\geq 10$  < 25 %  
Classification (Regulation (EC) No. 1272/2008)  
Flam. Liq. 3 H226  
Skin Corr. 1A H314

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

Eye Irrit. 2 H319  $\geq 10 < 25$  %  
Skin Corr. 1A H314  $\geq 90$  %  
Skin Corr. 1B H314  $\geq 25 < 90$  %  
Skin Irrit. 2 H315  $\geq 10 < 25$  %

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note B

## peroxyacetic acid

CAS No. 79-21-0  
EINECS no. 201-186-8  
Registration no. 01-2119531330-56  
Concentration  $\geq 10$  < 25 %  
Classification (Regulation (EC) No. 1272/2008)  
Org. Perox. D H242  
Flam. Liq. 3 H226  
Acute Tox. 4 H302  
Acute Tox. 4 H312  
Acute Tox. 4 H332  
Skin Corr. 1A H314  
Aquatic Acute 1 H400

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

STOT SE 3 H335  $\geq 1$  %

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note B, D

## 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. 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. Take medical treatment.

#### 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

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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

Alcohol-resistant foam, Dry powder, Carbon dioxide, Water spray jet

#### 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. Ensure adequate ventilation. Keep away sources of ignition.

### 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 (e.g. sand). Do not pick up with the help of saw-dust or other combustible substances. 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 combustible. Keep away from sources of heat and ignition. Keep away from combustible

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material.

## 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 5.2 Organic peroxides and self-reactive hazardous substances

### Further information on storage conditions

The product is classified in Germany in category OP IV: Hardly flammable organic peroxides with a relatively low risk. Protect from heat and direct sunlight. 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/m <sup>3</sup>	1	ppm(V)
Short term exposure limit	2.8	mg/m <sup>3</sup>	2	ppm(V)

##### acetic acid ... %

List	EH40			
Type	WEL			
Value	25	mg/m <sup>3</sup>	10	ppm(V)
Short term exposure limit	50	mg/m <sup>3</sup>	20	ppm(V)

##### acetic acid ... %

List	IOELV			
Type	IOELV			
Value	25	mg/m <sup>3</sup>	10	ppm(V)
Short term exposure limit	50	mg/m <sup>3</sup>	20	ppm(V)

#### Other information

There are not known any further control parameters.

### 8.2. Exposure controls

#### General protective and hygiene measures

Hold eye wash fountain available. Hold emergency shower 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. Clean skin thoroughly after work; apply skin cream.

#### Respiratory protection

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Multi-range filter ABEK/P3

#### Hand protection

Chemical resistant gloves	
Use	Occasional hand contact
Appropriate Material	neoprene

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Material thickness	>=	0,65	mm
Breakthrough time	>	120	min
Appropriate Material		butyl	
Material thickness	>=	0,7	mm
Breakthrough time	>	120	min

Hand protection must comply with EN ISO 374.

## Eye protection

Face shield; Safety glasses with side protection shield; Eye protection must comply with EN 166.

## Body protection

Clothing as usual in the chemical industry. Protective shoes

## SECTION 9: Physical and chemical properties

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

<b>Physical state</b>	liquid		
<b>Colour</b>	colourless		
<b>Odour</b>	pungent		
<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>			
Value	appr. 105		°C
<b>Flammability</b>			
evaluation	Not applicable		
<b>Upper and lower explosive limits</b>			
Remarks	not determined		
<b>Flash point</b>			
Value	78,5		°C
Method	DIN EN 22719 / ISO 2719		
<b>Ignition temperature</b>			
Remarks	not determined		
<b>Decomposition temperature</b>			
Value	> 50		°C
Remarks			
Remarks	SADT for receptacles > 60 kg		
Value	> 60		°C
Remarks			
Remarks	SADT for receptacles up to 60 kg		
<b>pH value</b>			
Value	< 2		
Temperature	20		°C
<b>Viscosity</b>			
<b>dynamic</b>			
Value	< 50		mPa.s
Temperature	20		°C
<b>Solubility(ies)</b>			
Remarks	not determined		

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

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Remarks not determined

## Vapour pressure

Remarks not determined

## Density and/or relative density

Value 1,12 g/cm<sup>3</sup>  
Temperature 20 °C

## 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 miscible in all proportions

### Explosive properties

evaluation not determined

### Oxidising properties

evaluation oxidizing

### Other information

None known

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Gaseous decomposition products cause pressure to build up in tightly sealed vessels.

### 10.2. Chemical stability

Protect from contamination.

### 10.3. Possibility of hazardous reactions

Protect from contamination.

### 10.4. Conditions to avoid

Protect from heat and direct sunlight.

### 10.5. Incompatible materials

Reactions with combustible substances. Product reacts with: Alkalis, Amines, Reducing agents

### 10.6. Hazardous decomposition products

Irritant gases/vapours

## SECTION 11: Toxicological information

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

#### Acute oral toxicity

Species rat  
ATE 300 to 2000 mg/kg  
Method calculated value (Regulation (EC) No. 1272/2008)  
Remarks The classification criteria are met.

#### Acute oral toxicity (Components)

hydrogen peroxide solution... %

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Species rat  
LD50 418 to 445 mg/kg

## acetic acid ... %

Species rat  
LD50 3310 mg/kg

### Acute dermal toxicity

ATE > 3000 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)

#### acetic acid ... %

Species rabbit  
LD50 1130 mg/kg

### Acute inhalational toxicity

ATE 1 to 5 mg/l  
Administration/Form Dust/Mist  
Method calculated value (Regulation (EC) No. 1272/2008)  
Remarks The classification criteria are met.

### Acute inhalative toxicity (Components)

#### acetic acid ... %

Species mouse  
LC50 5620 mg/l  
Duration of exposure 1 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.

### 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 The classification criteria are met.  
evaluation May cause respiratory irritation.

#### 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.



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## 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 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)

##### peroxyacetic acid ... %

Species	rainbow trout ( <i>Oncorhynchus mykiss</i> )		
LC50	0,91		mg/l
Duration of exposure	96	h	

##### hydrogen peroxide solution... %

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

##### acetic acid ... %

Species	Fathead minnow ( <i>Pimephales promelas</i> )		
LC50	106		mg/l
Duration of exposure	24	h	

##### acetic acid ... %

Species	golden orfe ( <i>Leuciscus idus</i> )		
LC50	408	to	410 mg/l
Duration of exposure	48	h	

#### Daphnia toxicity (Components)

##### peroxyacetic acid ... %

Species	Daphnia magna		
EC50	0,69		mg/l
Duration of exposure	48	h	

##### hydrogen peroxide solution... %

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

##### acetic acid ... %

Species	Daphnia magna		
EC50	47	to	95 mg/l
Duration of exposure	24	h	

#### Algae toxicity (Components)

##### peroxyacetic acid ... %

Species	Selenastrum capricornutum		
EC50	0,16		mg/l
Duration of exposure	72	h	

##### hydrogen peroxide solution... %

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Species	Chlorella vulgaris	
IC50	4,3	mg/l
Duration of exposure	72	h

## hydrogen peroxide solution... %

Species	Skeletonema costatum	
EC50	1,38	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 (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.

## 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. Avoid release into the atmosphere.

## SECTION 13: Disposal considerations

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## 13.1. Waste treatment methods

### Disposal recommendations for the product







EWC waste code 18 01 06\* chemicals consisting of or 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 of in agreement with the regional waste disposal company.

## SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	D		
IMDG-Code segregation group		16 Peroxides	
<b>14.1. UN number or ID number</b>	3109	3109	3109
<b>14.2. UN proper shipping name</b>	ORGANIC PEROXIDE TYPE F, LIQUID, stabilized (peroxyacetic acid ... %)	ORGANIC PEROXIDE TYPE F, LIQUID, stabilized (peroxyacetic acid ... %)	ORGANIC PEROXIDE TYPE F, LIQUID, stabilized (peroxyacetic acid ... %)
<b>14.3. Transport hazard class(es)</b>	5.2	5.2	5.2
Subsidiary risk	8	8	8
Label			
Limited Quantity	125 ml	125 ml	
Transport category	2		
<b>14.5. Environmental hazards</b>	 ENVIRONMENTALLY HAZARDOUS	Marine Pollutant  ENVIRONMENTALLY HAZARDOUS	 ENVIRONMENTALLY HAZARDOUS

## Information for all modes of transport

### 14.6. Special precautions for user

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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	P6b	SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES	50	tonne	200	tonne
Category	E1	Hazardous to the Aquatic Environment	100	tonne	200	tonne

#### VOC

VOC (EU) 0 %

#### Other information

The product does not contain substances of very high concern (SVHC).

Acquisition, introduction, possession or use of this product by the general public is restricted by Regulation (EU) 2019/1148. All suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.

#### Other information

All components are contained in the TSCA inventory or exempted.

### 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)

Org. Perox. F	H242
Skin Corr. 1A	H314
Eye Dam. 1	H318
Acute Tox. 4	H302
Acute Tox. 4	H332
STOT SE 3	H335
Met. Corr. 1	H290
Aquatic Chronic 1	H410

#### Hazard statements listed in Chapter 2/3

H226	Flammable liquid and vapour.
H242	Heating may cause a fire.
H271	May cause fire or explosion; strong oxidizer.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

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H400 Very toxic to aquatic life.  
H410 Very 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
Eye Dam. 1	Serious eye damage, Category 1
Flam. Liq. 3	Flammable liquid, Category 3
Met. Corr. 1	Substance or mixture corrosive to metals, Category 1
Org. Perox. D	Organic peroxide, Type D
Org. Perox. F	Organic peroxide, Type F
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

## Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses  
IMO: International Maritime Organization  
IMDG: International Maritime Code for Dangerous Goods  
IBC: Intermediate Bulk Container  
ICAO: International Civil Aviation Organization  
IATA: International Air Transport Association  
VOC: Volatile Organic Compound  
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  
LD: Lethal dose  
LC: Lethal concentration  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: Very persistent and very bioaccumulative  
SVHC: Substances of very high concern  
CAS: Chemical Abstracts Service  
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.