

neoseptal S-PE

Version: 2 / GB

Replaces Version: 1 /
GB

Date revised: 15.06.2017

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

1.1. Product identifier

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

Use of the substance/preparation

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

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)

Ox. Liq. 2	H272
Met. Corr. 1	H290
Skin Corr. 1B	H314
Eye Dam. 1	H318
Acute Tox. 4	H302
STOT SE 3	H335
Aquatic Chronic 2	H411

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

H272	May intensify fire; oxidiser.
H290	May be corrosive to metals.
H302	Harmful if swallowed.

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H314 Causes severe skin burns and eye damage.
 H335 May cause respiratory irritation.
 H411 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 acetic acid; hydrogen peroxide solution; peroxyacetic acid

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients

alkyl benzene sulfonic acid

CAS No.	85536-14-7			
EINECS no.	287-494-3			
Registration no.	01-2119490234-40			
Concentration	>= 1	<	10	%
Classification (Regulation (EC) No. 1272/2008)	Acute Tox. 4	H302		Route of exposure: oral
	Skin Corr. 1C	H314		
	Aquatic Chronic 3	H412		
	Eye Dam. 1	H318		

isotridecanol, ethoxylated

CAS No.	69011-36-5			
Concentration	>= 1	<	10	%
Classification (Regulation (EC) No. 1272/2008)	Eye Dam. 1	H318		
	Aquatic Chronic 3	H412		

acetic acid

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

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

Skin Corr. 1A	H314	>= 90
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Eye Irrit. 2	H319	<= 10 < 25
Skin Irrit. 2	H315	<= 10 < 25
Skin Corr. 1B	H314	<= 25 < 90

peroxyacetic acid

CAS No.	79-21-0		
EINECS no.	201-186-8		
Registration no.	01-2119531330-56		
Concentration	>= 1	< 10	%
Classification (Regulation (EC) No. 1272/2008)			
Flam. Liq. 3	H226		
Aquatic Acute 1	H400		
Skin Corr. 1A	H314		
Acute Tox. 4	H302		
Acute Tox. 4	H312		
Org. Perox. D	H242		
Acute Tox. 4	H332		
Eye Dam. 1	H318		
STOT SE 3	H335		

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

STOT SE 3	H335	>= 1
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hydrogen peroxide solution

CAS No.	7722-84-1		
EINECS no.	231-765-0		
Registration no.	01-2119485845-22		
Concentration	>= 1	< 10	%
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

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.

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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

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.

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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 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 class according to TRGS 510

Storage class according to TRGS 510 5.2 Organic peroxides and self-reactive hazardous substances

Further information on storage conditions

Protect from heat and direct sunlight.

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 ³	1	ppm(V)
Short term exposure limit	2.8	mg/m ³	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. 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		
Material thickness	>=	0,65	mm

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Breakthrough time > 120 min
Appropriate Material butyl
Material thickness >= 0,7 mm
Breakthrough time > 120 min
Hand protection must comply with EN 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

Form liquid
Colour yellowish, clear
Odour pungent

Odour threshold

Remarks not determined

pH value

Value < 2
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 determined

Vapour pressure

Remarks not determined

Vapour density

Remarks not determined

Density

Value 1,05 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

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Ignition temperature

Remarks not determined

Decomposition temperature

Remarks not determined

Viscosity

Remarks not determined

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

As oxidising agent, attacks organic substances such as wood, paper, fats.

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. Product reacts with: Reducing agents, Alkalis, Amines, Reactions with various metals.

10.6. Hazardous decomposition products

Irritant gases/vapours

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

Species	rat		
LD50	>	2000	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)		

Acute oral toxicity (Components)

acetic acid

Species	rat		
LD50		3310	mg/kg

hydrogen peroxide solution

Species	rat		
LD50		418	to 445 mg/kg

Acute dermal toxicity

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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

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

Acute inhalative toxicity (Components)

acetic acid

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

Skin corrosion/irritation

evaluation corrosive

Serious eye damage/irritation

evaluation corrosive

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)

evaluation May cause respiratory irritation.

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)

acetic acid

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

acetic acid

Species golden orfe (*Leuciscus idus*)

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LC50 408 to 410 mg/l
Duration of exposure 48 h

hydrogen peroxide solution

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

peroxyacetic acid

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

Daphnia toxicity (Components)

acetic acid

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

hydrogen peroxide solution

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

peroxyacetic acid

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

Algae toxicity (Components)

hydrogen peroxide solution

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

peroxyacetic acid

Species *Selenastrum capricornutum*
EC50 0,16 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

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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 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

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	3149	3149	3149
14.2. UN proper shipping name	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED
14.3. Transport hazard class(es)	5.1	5.1	5.1
Subsidiary risk	8	8	8
Label			




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14.4. Packing group	II	II	II
Limited Quantity	1 I		
Transport category	2		
14.5. Environmental hazards	 ENVIRONMENTALLY HAZARDOUS	Marine Pollutant 	 ENVIRONMENTALLY HAZARDOUS
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

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

H226	Flammable liquid and vapour.
H242	Heating may cause a fire.
H271	May cause fire or explosion; strong oxidiser.
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.
H400	Very toxic to aquatic life.

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H412

Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Acute Tox. 4

Acute toxicity, Category 4

Aquatic Acute 1

Hazardous to the aquatic environment, acute, Category 1

Aquatic Chronic 3

Hazardous to the aquatic environment, chronic, Category 3

Eye Dam. 1

Serious eye damage, Category 1

Flam. Liq. 3

Flammable liquid, Category 3

Org. Perox. D

Organic peroxide, Type D

Ox. Liq. 1

Oxidising liquid, Category 1

Skin Corr. 1A

Skin corrosion, Category 1A

Skin Corr. 1C

Skin corrosion, Category 1C

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.