

neodisher endo SEPT GA

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Date revised: 01.10.2021

Print date: 11.10.21

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

Identified Uses

disinfectants

1.3. Details of the supplier of the safety data sheet

Address:

Chemische Fabrik Dr. Weigert GmbH & Co. KG
Mühlentagen 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)

Acute Tox. 4	H302
Acute Tox. 4	H332
Skin Corr. 1B	H314
Eye Dam. 1	H318
Resp. Sens. 1	H334
Skin Sens. 1	H317
STOT SE 3	H335
Aquatic Chronic 3	H412

Route of exposure: oral
Route of exposure: inhalative

Route of exposure: inhalative

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

H302+H332
H314

Harmful if swallowed or if inhaled.
Causes severe skin burns and eye damage.

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H317	May cause an allergic skin reaction.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

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].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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 glutaral

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

glutaral

CAS No.	111-30-8			
EINECS no.	203-856-5			
Registration no.	01-2119455549-26			
Concentration	>= 10	< 25	%	
Classification (Regulation (EC) No. 1272/2008)				
	Acute Tox. 2	H330		Route of exposure: inhalative
	Acute Tox. 3	H301		Route of exposure: oral
	Skin Corr. 1B	H314		
	Resp. Sens. 1	H334		
	Skin Sens. 1A	H317		
	STOT SE 3	H335		
	Aquatic Acute 1	H400		
	Aquatic Chronic 2	H411		

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

STOT SE 3	H335	>= 0.5 < 5
Aquatic Acute 1		M = 1
Aquatic Chronic 1		M = 1

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. Adhere to personal

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protective measures when giving first aid. Clean body thoroughly (bath, shower). In any case show the physician the Safety Data Sheet.

After inhalation

Ensure supply of fresh air. Remove affected person from danger area. Seek medical advice immediately.

After skin contact

Wash off immediately with soap and water. Seek medical advice immediately.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Take medical treatment.

After ingestion

Call in a physician immediately and show him the Safety Data Sheet. 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

Dry powder, Foam, 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. Wear full protective suit.

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

Use breathing apparatus if exposed to vapours/dust/aerosol. Avoid contact with skin, eyes and clothing. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. Retain and dispose of contaminated wash water. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Containers in which spilt substance has been collected must be adequately labelled. 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. Perform filling operations only at stations with exhaust ventilation facilities. Provide suitable exhaust ventilation at the processing machines. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Keep container tightly closed.

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. Provide solvent-resistant and impermeable floor.

Hints on storage assembly

Do not store together with foodstuffs.

Storage classes

Storage class according to TRGS 510 8B Non-combustible corrosive hazardous substances

Further information on storage conditions

Keep under lock and key or accessible only to specialists or people who are authorized.

7.3. Specific end use(s)

no data

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

glutaral

List	EH40			
Type	WEL			
Value	0.2	mg/m ³	0.05	ppm(V)
Short term exposure limit	0.2	mg/m ³	0.05	ppm(V)
Status:	2011			

Other information

There are not known any further control parameters.

8.2. Exposure controls

General protective and hygiene measures

Hold emergency shower available. 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. Storage of foodstuffs in work rooms is forbidden. Wash hands before breaks and after work. Clean skin

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thoroughly after work; apply skin cream.

Respiratory protection

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Respiratory protection mask with combination filter A/P2

Hand protection

Chemical resistant gloves

Use	Permanent hand contact		
Appropriate Material	neoprene		
Material thickness	>= 0,65	mm	
Breakthrough time	> 480		
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	

Hand protection must comply with EN 374.

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	light yellow, clear
Odour	characteristic
Odour threshold	
Remarks	not determined
pH value	
Value	appr. 4
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 applicable

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Vapour pressure

Remarks not determined

Vapour density

Remarks not determined

Density

Value 1,03 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 < 10 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

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

Reactions with amines.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

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11.1. Information on toxicological effects

Acute oral toxicity

Species	rat		
LD50		733	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)		
Remarks	The classification criteria are met.		

Acute oral toxicity (Components)

glutaral

Species	rat		
		77	mg/kg
Method	OECD 401		

Acute dermal toxicity

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

Acute dermal toxicity (Components)

glutaral

Species	rabbit		
	>	2000	mg/kg

Acute inhalational toxicity

Species	rat		
LC50		2,7	mg/l
Duration of exposure		4	h
Method	calculated value (Regulation (EC) No. 1272/2008)		
Remarks	The classification criteria are met.		

Acute inhalative toxicity (Components)

glutaral

Species	rat		
LC50		0,28	to 0,48 mg/l
Duration of exposure		4	h
Administration/Form	Dust/Mist		
Method	OECD 403		

Skin corrosion/irritation

evaluation corrosive
Remarks The classification criteria are met.

Serious eye damage/irritation

evaluation corrosive
Remarks The classification criteria are met.

Sensitization

Route of exposure	dermal
evaluation	sensitizing
Remarks	The classification criteria are met.
Route of exposure	inhalative
evaluation	sensitizing
Remarks	The classification criteria are 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.

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Carcinogenicity

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

Specific Target Organ Toxicity (STOT)

Single exposure

Remarks Inhalation may lead to irritation of the respiratory tract.

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.

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)

glutaral

Species	Fathead minnow (<i>Pimephales promelas</i>)		
LC50	5,4		mg/l
Duration of exposure	96	h	

Daphnia toxicity (Components)

glutaral

Species	Daphnia magna		
EC50	5		mg/l
Duration of exposure	48	h	

Algae toxicity (Components)

glutaral

Species	Selenastrum capricornutum		
LC50	0,81		mg/l
Duration of exposure	120	h	

Bacteria toxicity (Components)

glutaral

Species	activated sludge		
EC20	appr. 15		mg/l
Duration of exposure	30	min	
Method	OECD 209		

12.2. Persistence and degradability

General information

not determined

12.3. Bioaccumulative potential

General information

not determined

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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

Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

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
Tunnel restriction code	E		
IMDG-Code segregation group		0 Not applicable	
14.1. UN number	1903	1903	1903
14.2. UN proper shipping name	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (glutaral)	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (glutaral)	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (glutaral)
14.3. Transport hazard class(es)	8	8	8
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 l		
Transport category	3		
14.5. Environmental hazards		no	

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 3

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

VOC

VOC (EU) 0 %

Other information

The product contains SVHC-substances.

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

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Hazard statements listed in Chapter 3

H301	Toxic if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H330	Fatal if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Acute Tox. 2	Acute toxicity, Category 2
Acute Tox. 3	Acute toxicity, Category 3
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Resp. Sens. 1	Respiratory sensitization, Category 1
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Sens. 1A	Skin sensitization, 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
IMDG: International Maritime Code for Dangerous Goods
ICAO: International Civil Aviation Organization
IATA: International Air Transport Association
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
CAS: Chemical Abstracts Service
VOC: Volatile Organic Compound
ISO: International Organization for Standardization
OEL: Occupational exposure limit
LD: Lethal dose
LC: Lethal concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very persistent and very bioaccumulative
SVHC: Substances of very high concern
IUCLID: International Uniform Chemical Information Database
OECD: Organisation for Economic Co-operation and Development
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
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.