

# neodisher endo SEPT PAC

Version: 4 / GB

Replaces Version: 3 / GB

Date revised: 18.01.2023

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

### 1.1. Product identifier

neodisher endo SEPT 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

# neodisher endo SEPT PAC

Version: 4 / GB

Replaces Version: 3 / GB

Date revised: 18.01.2023

Print date: 20.01.23

## 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:

# neodisher endo SEPT PAC

Version: 4 / GB

Replaces Version: 3 / GB

Date revised: 18.01.2023

Print date: 20.01.23

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

# neodisher endo SEPT PAC

Version: 4 / GB

Replaces Version: 3 / GB

Date revised: 18.01.2023

Print date: 20.01.23

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

# neodisher endo SEPT PAC

Version: 4 / GB

Replaces Version: 3 / GB

Date revised: 18.01.2023

Print date: 20.01.23

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

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
Material thickness	>= 0,65 mm

# neodisher endo SEPT PAC

Version: 4 / GB

Replaces Version: 3 / GB

Date revised: 18.01.2023

Print date: 20.01.23

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

<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	
<b>Partition coefficient n-octanol/water (log value)</b>		
Remarks	not determined	

# neodisher endo SEPT PAC

Version: 4 / GB

Replaces Version: 3 / GB

Date revised: 18.01.2023

Print date: 20.01.23

## 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... %  
Species rat



# neodisher endo SEPT PAC

Version: 4 / GB

Replaces Version: 3 / GB

Date revised: 18.01.2023

Print date: 20.01.23

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.

**11.2 Information on other hazards**



# neodisher endo SEPT PAC

Version: 4 / GB

Replaces Version: 3 / GB

Date revised: 18.01.2023

Print date: 20.01.23

## 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... %

Species	Chlorella vulgaris		
IC50	4,3		mg/l

# neodisher endo SEPT PAC

Version: 4 / GB

Replaces Version: 3 / GB

Date revised: 18.01.2023

Print date: 20.01.23

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

### 13.1. Waste treatment methods

#### Disposal recommendations for the product

# neodisher endo SEPT PAC

Version: 4 / GB

Replaces Version: 3 / GB

Date revised: 18.01.2023

Print date: 20.01.23

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 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
Tunnel restriction code	D		
IMDG-Code segregation group		16 Peroxides	
14.1. UN number or ID number	3109	3109	3109
14.2. UN proper shipping name	ORGANIC PEROXIDE TYPE F, LIQUID, stabilized (peroxyacetic acid ... %)	ORGANIC PEROXIDE TYPE F, LIQUID, stabilized (peroxyacetic acid ... %)	ORGANIC PEROXIDE TYPE F, LIQUID, stabilized (peroxyacetic acid ... %)
14.3. Transport hazard class(es)	5.2	5.2	5.2
Subsidiary risk	8	8	8
Label			
Limited Quantity	125 ml	125 ml	
Transport category	2		
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

# neodisher endo SEPT PAC

Version: 4 / GB

Replaces Version: 3 / GB

Date revised: 18.01.2023

Print date: 20.01.23

## 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.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

# neodisher endo SEPT PAC

Version: 4 / GB

Replaces Version: 3 / GB

Date revised: 18.01.2023

Print date: 20.01.23

## 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.