



Trade name: D-Norpseudoephedrini hydrochlorid

Substance number: 066800

Version: 3 / CH

Date revised: 03.04.12

Replaces Version: 2 / CH

Date of printing: 03.04.12

## **1. Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

D-Norpseudoephedrini hydrochlorid

Item-No. 06680000

### **1.3. Details of the supplier of the safety data sheet**

#### **Address**

Hänseler AG

Industriestrasse 35

9101 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of person responsible for this SDS sdb@haenseler.ch

### **1.4. Emergency telephone number**

Switzerland :145 / Abroad +41 (0)44 251 51 51

## **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

#### **Classification in accordance with EC directives**

Classification Xn, R22

### **2.2. Label elements**

#### **Labelling according to regulation (EC) No 1272/2008**

##### **Hazard pictograms**



##### **Signal Word**

Warning

##### **Hazard statements**

H302 Harmful if swallowed.

##### **Precautionary statements**

P270 Do not eat, drink or smoke when using this product.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P501.3 Disposal in compliance with local and national regulations.

#### **Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC**

The product is classified and labelled in accordance with EC directives/the relevant national laws.

##### **Hazard symbols**



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Harmful

**R phrases**

22 Harmful if swallowed.

**S phrases**22 Do not breathe dust.  
37/39 Wear suitable gloves and eye/face protection.**Hazardous component(s) to be indicated on label**

contains \*\*\* norpseudoephedrine hydrochloride

**3. Composition/information on ingredients \*\*\*****Registration no.**

EC No.: 218-446-1

**Hazardous ingredients \*\*\*****norpseudoephedrine hydrochloride**

CAS No. 2153-98-2

EINECS no. 218-446-1

Concentration &gt;= 50 %

Classification Xn, R22

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

H302

**4. First aid measures****4.1. Description of first aid measures****General information**

Remove contaminated clothing immediately and dispose of safely.

**After inhalation**

Remove the casualty into fresh air and keep him calm. Take medical treatment.

**After skin contact**

Wash off immediately with soap and water.

**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). Eye treatment by an Oculist.

**After ingestion**

Rinse out mouth and give plenty of water to drink. Take medical treatment.

**5. Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Water, Dry chemical extinguisher, Carbon dioxide, Foam

**5.2. Special hazards arising from the substance or mixture**



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Hydrochloric acid

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

#### Other information

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use breathing apparatus if exposed to vapours/dust/aerosol.

### 6.2. Environmental precautions

Do not discharge into the subsoil/soil. Do not allow to enter drains.

### 6.3. Methods and material for containment and cleaning up

Dispose of absorbed material in accordance with the regulations.

## 7. Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid dust formation. Use breathing apparatus when transferring large quantities without exhaust ventilation facilities.

#### Advice on protection against fire and explosion

Take precautionary measures against static charges. Keep away from sources of ignition. The product is capable of a dust explosion.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Further information on storage conditions

Keep container tightly closed. Protect from light.

## 8. Exposure controls/personal protection

### 8.2. Exposure controls

#### General protective and hygiene measures

Observe the usual precautions when handling chemicals.

#### Respiratory protection

Use breathing apparatus in dust-laden atmosphere.

#### Hand protection

Chemical resistant gloves

Appropriate Material	Butyl rubber		
Material thickness	0,7	mm	
Penetrating time	> 480	min	

#### Eye protection

Safety glasses with side protection shield

## 9. Physical and chemical properties

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



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<b>Form</b>	Crystalline powder		
<b>Colour</b>	white		
<b>Odour</b>	slight, original odour		
<b>pH</b>			
Value	4.9		
Concentration/H <sub>2</sub> O	100	g/l	
Temperature	20	°C	
<b>Melting point</b>			
Value	180	to	182 °C
<b>Boiling point</b>			
Remarks	Not applicable		
<b>Flash point</b>			
Value	°C		
Remarks	Not applicable		
<b>Vapour pressure</b>			
Remarks	Not applicable		
<b>Solubility in water</b>			
Value	1.600	g/l	
Temperature	20	°C	
<b>Octanol/water partition coefficient (log Pow)</b>			
log Pow	-2.74		
Temperature	25	°C	
Source	calculated value		
<b>Thermal decomposition</b>			
Value	265	°C	
Remarks	No decomposition if used as prescribed.		
<b>Efflux time</b>			
Remarks	Not applicable		

## 10. Stability and reactivity

### 10.4. Conditions to avoid

#### Thermal decomposition

Value	265	°C
Remarks	No decomposition if used as prescribed.	

## 11. Toxicological information

### 11.1. Information on toxicological effects

#### Acute oral toxicity

Species	rat		
LD <sub>50</sub>	681	to	1000 mg/kg
method	BASF-test		

#### Skin corrosion/irritation

Species	rabbit
method	OECD 404
Remarks	No effect of irritation known.

#### Serious eye damage/irritation

Remarks	No effect of irritation known
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**Mutagenicity**
 valuation  
 valuation

 No experimental indications on genotoxicity in vivo found.  
 Not considered mutagenic based on several in vitro and in vivo studies.
**12. Ecological information****12.1. Toxicity****Fish toxicity**

Species	golden orfe ( <i>Leuciscus idus</i> )		
LC50	> 100		mg/l
Duration of exposure	96	h	
Remarks	The details of the toxic effect relate to the nominal concentration.		

**Daphnia toxicity**

Species	Daphnia magna		
EC50	58,7		mg/l
Duration of exposure	48	h	
Remarks	The details of the toxic effect relate to the nominal concentration.		

**Bacteria toxicity**

Species	activated sludge		
EC20	> 100		mg/l
Duration of exposure	0,5	h	

**12.2. Persistence and degradability****Biodegradability**

valuation Readily biodegradable (according to OECD criteria)

**12.3. Bioaccumulative potential****Octanol/water partition coefficient (log Pow)**

log Pow	-2.74	
Temperature	25	°C
Source	calculated value	

**12.6. Other adverse effects****Behaviour in sewers [waste treatment plants]**

When low concentrations are discharged correctly into adapted biological sewage treatment plants, disturbance of the degradation activity of activated sludge is not likely.

**General information / ecology**

The ecotoxic effect of the product has not been tested. The information on this was derived from products of similar structure or composition.

**13. Disposal considerations****13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

**14. Transport information****Land transport ADR/RID**

Non-dangerous goods

**Marine transport IMDG/GGVSee**

The product does not constitute a hazardous substance in sea transport.



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### **Air transport ICAO/IATA**

The product does not constitute a hazardous substance in air transport.

## **15. Regulatory information**

### **16. Other information**

#### **R-phrases listed in chapter 3**

22 Harmful if swallowed.

#### **Hazard statements listed in chapter 3**

H302 Harmful if swallowed.

#### **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.