

Trade name: Pyridoxine hydrochloride Pharma

Substance number: 781800

Version: 1 / CH

Date revised: 05.02.2024

Replaces Version: - / CH

Print date: 05.02.24

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

### **1.1. Product identifier**

Pyridoxine hydrochloride Pharma

Item No. 78180000

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

#### **Address/Manufacturer**

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

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

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

## **SECTION 2: Hazards identification**

### **2.1. Classification of the substance or mixture**

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

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

Eye Dam. 1 H318

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

##### **Hazard statements**

H318 Causes serious eye damage.

##### **Precautionary statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
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.

##### **Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)**

contains Pyridoxine hydrochloride

### **2.3. Other hazards**

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This

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substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

### **SECTION 3: Composition/information on ingredients**

#### **Hazardous ingredients**

##### **Pyridoxine hydrochloride**

CAS No.	58-56-0	
EINECS no.	200-386-2	
Registration no.	01-2120113157-67-0001	
Concentration	>= 50	%
Classification (Regulation (EC) No. 1272/2008)	Eye Dam. 1	H318

### **SECTION 4: First aid measures**

#### **4.1. Description of first aid measures**

##### **General information**

Remove contaminated clothing immediately and dispose of safely.

##### **After inhalation**

Give a Cortison spray at an early stage. Summon a doctor immediately.

##### **After skin contact**

Wash immediately with plenty of water for several minutes. Summon a doctor immediately.

##### **After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

##### **After ingestion**

Rinse out mouth and give plenty of water to drink. Summon a doctor immediately.

#### **4.2. Most important symptoms and effects, both acute and delayed**

Important or other important known symptoms and effects are described in the GHS labelling of the product (see section 2) and in section 11.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

##### **Hints for the physician / treatment**

Symptomatic treatment (decontamination, vital functions), no specific antidote known.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Water spray jet, Foam, Dry powder, Carbon dioxide

##### **Non suitable extinguishing media**

Full water jet

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

In the event of fire the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO); Avoid inhalation of smoke and vapours.

#### **5.3. Advice for firefighters**

##### **Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

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**Other information**

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations. Cool endangered containers with water spray jet.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protective clothing. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Do not inhale dust. Avoid dust formation.

**6.2. Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

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

For small amounts: take up with appropriate instrument and dispose. For tall amounts: Take up mechanically and collect in suitable container for disposal. Avoid raising dust. Dispose of absorbed material in accordance with the regulations.

**6.4. Reference to other sections**

Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Provide good ventilation of working area (local exhaust ventilation if necessary). For personal protection see Section 8. Avoid contact with skin, eyes and clothing. Keep container tightly closed. Avoid dust formation. Provide exhaust ventilation if dust is formed.

**Advice on protection against fire and explosion**

The product is capable of dust explosions. Use explosion-proof equipment/fittings and non-sparking tools. Take action to prevent static discharges. Keep away from sources of ignition. Procure extinguisher. Avoid dust formation.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep tightly closed in a dry and cool place. Storage rooms must be properly ventilated.

**Hints on storage assembly**

Do not store with oxidizing agents. Do not store with strong alkalis.

**Storage classes**

Storage class according to TRGS 510	13	Non- combustible solids
Storage category (Switzerland)	8	Caustic and corrosive substances

**SECTION 8: Exposure controls/personal protection****8.2. Exposure controls****Exposure controls**

If these are not sufficient to maintain concentrations of particulates below the OEL, suitable respiratory protection must be worn.

**General protective and hygiene measures**

Observe the usual precautions for handling chemicals. General industrial hygiene practice. Do not breathe dust. Avoid contact with eyes. At work do not eat, drink, smoke or take drugs. Wash hands and face before breaks and after work. Store work clothing separately.

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**Respiratory protection**

Particle filter half mask, filter FFP2 - Norm DIN EN 149; Particle filter P2; EN 143

**Hand protection**

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

Appropriate Material nitrile rubber - NBR

Material thickness 0.4 mm

Breakthrough time &gt; 480 min

Hand protection must comply with EN 374.

Appropriate Material Butyl rubber - Butyl

Material thickness 0.7 mm

Breakthrough time &gt; 480 min

Hand protection must comply with EN 374.

**Eye protection**

Tightly fitting safety glasses; 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****Physical state** solid**Colour** white**Odour** odourless**Melting point**

Value appr. 206 °C

**Boiling point or initial boiling point and boiling range**

Remarks Not applicable

**Flammability**

Not ignitable

Method UN Test N.1 (ready combustible solids)

**Flash point**

Value °C

Remarks Not applicable

**pH value**

Value 2.4 to 3.0

Concentration/H<sub>2</sub>O 50 g/l

Temperature 20 °C

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

log Pow -0.7

Temperature 20 °C

**Density and/or relative density**

Value 1.44

Temperature 20 °C

Pressure 1.013 hPa

**9.2. Other information****Solubility in water**

Value 220 g/l

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Temperature                      appr. 20                      °C

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No decomposition if stored and applied as directed. Corrosive to metals.

**10.2. Chemical stability**

No decomposition if stored and applied as directed.

**10.3. Possibility of hazardous reactions**

danger of dust explosion

**10.4. Conditions to avoid**

Avoid dust formation. Keep away from sources of heat and ignition.

**10.5. Incompatible materials**

Strong oxidising agents, Alkalies

**10.6. Hazardous decomposition products**

Toxic gases/vapours, Chlorine compounds

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity (Components)****Pyridoxine hydrochloride**

Reference substance	Pyridoxine hydrochloride		
Species	rat		
LD50	> 6600		mg/kg

**Pyridoxine hydrochloride**

Species	mouse		
LD50	> 6000		mg/kg

**Skin corrosion/irritation (Components)****Pyridoxine hydrochloride**

evaluation	non-irritant
Method	OECD 439

**Serious eye damage/irritation (Components)****Pyridoxine hydrochloride**

Duration of exposure	4	h
evaluation	irritant - risk of serious damage to eyes	
Method	OECD 437	

**Sensitization (Components)****Pyridoxine hydrochloride**

Species	guinea pig
evaluation	non-sensitizing
Method	OECD 406

**Mutagenicity (Components)****Pyridoxine hydrochloride**

evaluation	No mutagenicity in the Ames-test.
Method	OECD 471

**Pyridoxine hydrochloride**

Species	guinea pig
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evaluation	No experimental information on genotoxicity in vitro available.
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**Reproduction toxicity (Components)****Pyridoxine hydrochloride**

Species	rat (male)
Dose	125 mg/kg
evaluation	May damage fertility.

**Carcinogenicity (Components)****Pyridoxine hydrochloride**

Remarks	No evidence available on carcinogenicity.
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**11.2 Information on other hazards****Endocrine disrupting properties with respect to humans**

This substance does not have endocrine disrupting properties with respect to humans.

**SECTION 12: Ecological information****12.1. Toxicity****Fish toxicity (Components)****Pyridoxine hydrochloride**

Species	rainbow trout ( <i>Oncorhynchus mykiss</i> )
LC50	> 100 mg/l
Duration of exposure	96 h
Method	OECD 203

**Daphnia toxicity (Components)****Pyridoxine hydrochloride**

Species	Daphnia magna
EC50	> 100 mg/l
Method	OECD 201
Remarks	The details of the toxic effect relate to the nominal concentration.

**Algae toxicity (Components)****Pyridoxine hydrochloride**

Species	Desmodesmus subspicatus
EbC50	5.3 mg/l
Duration of exposure	72 h
Method	OECD 201

**12.2. Persistence and degradability****Biodegradability (Components)****Pyridoxine hydrochloride**

Value	94 %
Duration of test	28 d
evaluation	Readily biodegradable
Method	OECD 301

**12.3. Bioaccumulative potential****Partition coefficient n-octanol/water (log value)**

log Pow	-0.7
Temperature	20 °C

**12.5. Results of PBT and vPvB assessment****Results of PBT and vPvB assessment**

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The Substance does not meet PBT-criteria.  
This substance does not meet the vPvB-criteria.

## 12.6 Endocrine disrupting properties

### Endocrine disrupting properties with respect to the environment

This substance does not have endocrine disrupting properties with respect to non-target organisms.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations for the product

Disposal in compliance with local and national regulations.

## SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

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

## SECTION 16: Other information

### Hazard statements listed in Chapter 3

H318 Causes serious eye damage.

### CLP categories listed in Chapter 3

Eye Dam. 1 Serious eye damage, Category 1

### 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.