

Trade name: Pentobarbitalum natricum

Substance number: 066996

Version: 4 / CH

Date revised: 09.11.2021

Replaces Version: 3 / CH

Print date: 09.11.21

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

### **1.1. Product identifier**

Pentobarbitalum natricum

Item No. 06699600

#### **Registration no.**

EC No.: 200-323-9

CAS No. 57-33-0

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

#### **Use of the substance/preparation**

industry, Medicinal product

### **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)

Acute Tox. 3	H301
Acute Tox. 4	H312
Acute Tox. 4	H332
Repr. 2	H361d

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 \*\*\***

H301

Toxic if swallowed.

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H312 Harmful in contact with skin.  
 H332 Harmful if inhaled.  
 H361d Suspected of damaging the unborn child.

**Precautionary statements**

P201 Obtain special instructions before use.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P308+P313 IF exposed or concerned: Get medicinal advice/attention.

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

contains pentobarbital sodium

**SECTION 3: Composition/information on ingredients****3.1. Substances****Chemical characterization**

Pentobarbitalum natricum

**Molecular weight**

Value 248.26 g/mol

**Hazardous ingredients****pentobarbital sodium**

CAS No.	57-33-0		
EINECS no.	200-323-9		
Concentration	>= 55		%
Classification (Regulation (EC) No. 1272/2008)			
	Acute Tox. 3		H301
	Acute Tox. 4		H312
	Acute Tox. 4		H332
	Repr. 2		H361d

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

Adhere to personal protective measures when giving first aid

**After inhalation**

Remove the casualty into fresh air and keep him calm. Keep warm and at rest. If necessary, give oxygen. Summon a doctor immediately.

**After skin contact**

Wash off immediately with soap and water and rinse well. Consult a doctor if skin irritation persists.

**After eye contact**

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

**After ingestion**

Summon a doctor immediately.

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

respiratory moderation, Dizziness, Gastrointestinal complaints

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

#### Hints for the physician / treatment

At potential poisoning medical treatment is absolute necessary.

## **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

#### Suitable extinguishing media

Water, Foam, Carbon dioxide, Dry powder, Sand, Dry chemical extinguisher

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

In the event of fire the following can be released: Carbon monoxide (CO); Nitrogen oxides (NO<sub>x</sub>)

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Wear protective clothing.

#### Other information

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 dust formation. Use personal protective clothing.

### 6.2. Environmental precautions

Do not allow to enter drains or waterways.

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

To pick up dry. When picked up, treat material as prescribed under Section 13 "Disposal".

### 6.4. Reference to other sections

Information regarding Safe handling, see Section 7. 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

Avoid contact with skin, eyes and clothing. Do not inhale dust. Danger of dust explosion. Avoid the formation and deposition of dust.

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

#### Recommended storage temperature

Value	<=	30	°C
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#### Storage classes

Storage class according to TRGS 510	6.1D	Non-combustible substances of acute toxicity, category 3 / hazardous substances that are toxic or produce chronic effects
Storage category (Switzerland)	6.1	Toxic substances

#### Further information on storage conditions

Keep containers tightly closed in a dry, cool and well-ventilated place.

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**7.3. Specific end use(s)**

Narcotic

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Other information**

There is not known any national exposure limit.

**8.2. Exposure controls****Exposure controls**

Avoid inhalation of dusts. Provide adequate ventilation.

**General protective and hygiene measures**

Do not breathe dust. Avoid contact with skin and eyes. Keep away from sources of ignition. Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands and face before breaks and after work. Preventative skin protection. Do not eat or drink during work time.

**Respiratory protection**

Breathing apparatus in the event of aerosol.

**Hand protection**

Gloves

Appropriate Material	PVC		
Material thickness		0.11	
Appropriate Material	Butyl rubber - Butyl		
Material thickness		0.11	mm
Appropriate Material	nitrile rubber - NBR		
Material thickness		0.11	mm

**Eye protection**

Safety glasses with side protection shield

**Body protection**

necessary

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Form</b>	Crystalline powder		
<b>Colour</b>	white		
<b>Odour</b>	odourless		
<b>pH value</b>			
Value	9	to	11
Concentration/H <sub>2</sub> O	1	g/l	
<b>Melting point</b>			
Value	>	280	°C
<b>Initial boiling point and boiling range</b>			
Remarks	Not applicable		
<b>Flash point</b>			
Remarks	Not applicable		
<b>Upper/lower flammability or explosive limits</b>			
Remarks	not determined		
<b>Vapour pressure</b>			

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Remarks not determined

**Density**

Remarks not determined

**Solubility in water**

Temperature 20 °C

Remarks easily soluble

**Solubility(ies)**

Ethanol Temperature 20 °C

Remarks soluble

**Partition coefficient: n-octanol/water****Pentobarbitalum natricum**

log Pow 0.67

Method calculated

**Ignition temperature**

Remarks not determined

**9.2. Other information****Bulk density**Value appr. 500 kg/m<sup>3</sup>**SECTION 10: Stability and reactivity****10.1. Reactivity**

No dangerous reactions known.

**10.2. Chemical stability**

Stable under recommended storage and handling conditions (see section 7).

**10.3. Possibility of hazardous reactions**

Oxidising agents

**10.4. Conditions to avoid**

Protect from atmospheric moisture and water. Protect from light.

**10.5. Incompatible materials**

Reactions with strong oxidising agents. Incompatible with: Strong oxidising agents, Acids

**10.6. Hazardous decomposition products**In the event of fire the following can be released: Carbon monoxide, nitrous oxides (NO<sub>x</sub>)**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity****Pentobarbitalum natricum**

ATE 75 mg/kg

Method calculated value (Regulation (EC) No. 1272/2008)

**Acute oral toxicity (Components)****pentobarbital sodium**

Species rat LD50 118 mg/kg

**pentobarbital sodium**

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Species mouse  
LD50 239 mg/kg

**pentobarbital sodium**

Species pigeon  
LD50 133 mg/kg

**pentobarbital sodium**

Species duck  
LD50 75 mg/kg

**pentobarbital sodium**

Species bird, wild  
LD50 75 mg/kg

**Acute dermal toxicity****Pentobarbitalum natricum**

ATE 1'100 mg/kg  
Method calculated value (Regulation (EC) No. 1272/2008)

**Acute inhalational toxicity****Pentobarbitalum natricum**

ATE 1.5 mg/l  
Administration/Form Dust/Mist  
Method calculated value (Regulation (EC) No. 1272/2008)

**Reproductive toxicity****Pentobarbitalum natricum**

Remarks Indications of toxic effects are available from reproduction studies in animals.

**Experience in practice**

disorders of the central nervous system. May lead to drowsiness and unconsciousness.

**SECTION 12: Ecological information \*\*\*****12.1. Toxicity****Fish toxicity****Pentobarbitalum natricum**

Remarks No data available.

**12.2. Persistence and degradability****Biodegradability****Pentobarbitalum natricum**

evaluation biodegradable

**12.3. Bioaccumulative potential****General information**

There is no data available on the product apart from the information given in this subsection.

**Partition coefficient: n-octanol/water****Pentobarbitalum natricum**

log Pow 0.67  
Method calculated

**12.4. Mobility in soil****General information**

For this subsection there is no ecotoxicological data available on the product as such.

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## 12.5. Results of PBT and vPvB assessment

### General information

There is no data available on the product apart from the information given in this subsection.

## 12.6. Other adverse effects

### General information / ecology

Ecological injuries are not known or expected under normal use.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations for the product

EWC waste code 07 05 99 wastes not otherwise specified  
Disposal in compliance with local and national regulations.

#### Disposal recommendations for packaging

Dispose of as unused product.

## SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	E		
14.1. UN number	2811	2811	2811
14.2. UN proper shipping name	TOXIC SOLID, ORGANIC, N.O.S.	TOXIC SOLID, ORGANIC, N.O.S.	TOXIC SOLID, ORGANIC, N.O.S.
14.3. Transport hazard class(es)	6.1	6.1	6.1
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 kg		
Transport category	2		

## 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

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**15.2. Chemical safety assessment**

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

**SECTION 16: Other information****Hazard statements listed in Chapter 3**

H301	Toxic if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H361d	Suspected of damaging the unborn child.

**CLP categories listed in Chapter 3**

Acute Tox. 3	Acute toxicity, Category 3
Acute Tox. 4	Acute toxicity, Category 4
Repr. 2	Reproductive toxicity, Category 2

**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.