

Trade name: Phenobarbitalum

Substance number: 067136

Version: 3 / CH

Date revised: 24.12.2024

Replaces Version: 2 / CH

Print date: 06.08.25

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

1.1. Product identifier

Phenobarbitalum

Item No. 06713600

Substance / product identification

CAS-No. 50-06-6

EINECS-No. 200-007-0

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

Use of the substance/preparation

Active pharmaceutical substance

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. 3 H311

Acute Tox. 3 H331

Skin Sens. 1 H317

Carc. 2 H351

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 ***

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H317 May cause an allergic skin reaction.
 H351 Suspected of causing cancer.
 H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled.

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 *** Phenobarbital

2.3. Other hazards

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

CAS No.	50-06-6		
EINECS no.	200-007-0		
Concentration	>=	100	%
Classification (Regulation (EC) No. 1272/2008)			
	Acute Tox. 3	H301	
	Acute Tox. 3	H311	
	Acute Tox. 3	H331	
	Skin Sens. 1	H317	
	Carc. 2	H351	Route of exposure: oral
ATE	oral	162	mg/kg
cATpE	dermal	300	mg/kg
cATpE	inhalative, Dust/Mist	0.5	mg/l

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

If you feel unwell, seek medical advice (show the label where possible). Take off contaminated clothing and shoes immediately. Irregular breathing/no breathing: artificial respiration.

After inhalation

Ensure supply of fresh air. If the patient is likely to become unconscious, place and transport in stable sideways position. Irregular breathing/no breathing: artificial respiration. Summon a doctor immediately.

After skin contact

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

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide, Alcohol-resistant foam, Dry powder, Water spray jet

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Development of toxic gases

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Wear full protective suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Ensure supply of fresh air. Avoid dust formation.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Advise water authority if spillage has entered water course or drainage system.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). When picked up, treat material as prescribed under Section 13 "Disposal".

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). Danger of dust explosion. Avoid dust formation.

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value 15 - 25 °C

Requirements for storage rooms and vessels

Keep only in original packaging.

Hints on storage assembly

Do not store with oxidizing agents.

Storage classes

Storage class according to TRGS 510

6.1D

Non-combustible substances of acute toxicity, category 3 / hazardous

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Storage category (Switzerland)

6.1

substances that are toxic or produce
chronic effects
Toxic substances

Further information on storage conditions

Keep container tightly closed and in a well-ventilated place.

SECTION 8: Exposure controls/personal protection**8.2. Exposure controls****General protective and hygiene measures**

Do not eat, drink or smoke during work time. Do not inhale dust/fumes/mist. Avoid contact with skin and eyes. Keep away from food-stuffs, beverages and feed-stocks. Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands and face before breaks and after work.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory protection mask with combination filter A/P2; EN 14387

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.

Hand protection must comply with EN 374.

Eye protection

Safety glasses with side protection shield

Body protection

Protective clothing

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

solid

Colour

white

Odour

characteristic

Physical state

Crystalline powder

Melting point

Value

156

to

178

°C

Boiling point or initial boiling point and boiling range

Remarks

not determined

Flammability

Flammable.

Upper and lower explosive limits

Remarks

Not applicable

Flash point

Remarks

Not applicable

Decomposition temperature

Remarks

Stable at ambient temperature.

pH value

Remarks

not determined

Viscosity

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Remarks Not applicable

Vapour pressure

Remarks Not applicable

Density and/or relative density

Remarks not determined

9.2. Other information**Solubility in water**

Remarks insoluble

Other information

The product is not dangerous for explosions.

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

None known

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

The product is not a dust explosion risk as supplied; however the build-up of fine dust can lead to a risk of dust explosions.

10.4. Conditions to avoid

No decomposition if stored and applied as directed.

10.5. Incompatible materials

Reactions with oxidising agents. Reactions with damp air.

10.6. Hazardous decomposition productsNo hazardous decomposition products known when handled according to prescribed instructions.
Formation of toxic gases possible during heating or in case of fire.**SECTION 11: Toxicological information *******11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**ATE 162 mg/kg
Method calculated value (Regulation (EC) No. 1272/2008)**Acute oral toxicity (Components)****Phenobarbital**Species rat
LD50 162 mg/kg**Acute dermal toxicity**ATE 300 mg/kg
Method calculated value (Regulation (EC) No. 1272/2008)**Acute inhalational toxicity**ATE 0.5 mg/l
Administration/Form Dust/Mist
Method calculated value (Regulation (EC) No. 1272/2008)**Skin corrosion/irritation**

Remarks No effect of irritation known.

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Serious eye damage/irritation

Remarks No effect of irritation known

Sensitization (Components)**Phenobarbital**

evaluation May cause allergic skin reactions.

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

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.

12.7. Other adverse effects**General information / ecology**

Do not allow it to reach ground water, water bodies or sewage system. Hazard for drinking water supplies.

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

EWC waste code

No not dispose with rubbish.

EWC waste code

Should not be released into the sanitary sewer system.

EWC waste code

07 05 08*

other still bottoms and reaction residues

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Dispose of as unused product.

SECTION 14: Transport information ***

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	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. (Phenobarbital)	TOXIC SOLID, ORGANIC, N.O.S. (Phenobarbital)	TOXIC SOLID, ORGANIC, N.O.S. (Phenobarbital)
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

SECTION 16: Other information

Hazard statements listed in Chapter 3

H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H317	May cause an allergic skin reaction.
H331	Toxic if inhaled.
H351	Suspected of causing cancer.

CLP categories listed in Chapter 3

Acute Tox. 3	Acute toxicity, Category 3
Carc. 2	Carcinogenicity, Category 2
Skin Sens. 1	Skin sensitization, 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.