

Trade name: Theophyllinum

Substance number: 848276

Version: 2 / CH

Date revised: 17.12.2018

Replaces Version: 1 / CH

Print date: 07.10.19

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

1.1. Product identifier

Theophyllinum

Item No. 84827603

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

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.

Precautionary statements

P264.1 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P330 Rinse mouth.
P405 Store locked up.
P501.3 Disposal in compliance with local and national regulations.

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

contains Theophylline

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SECTION 3: Composition/information on ingredients

Hazardous ingredients

Theophylline

CAS No.	58-55-9		
EINECS no.	200-385-7		
Concentration	>=	90	%
Classification (Regulation (EC) No. 1272/2008)			
	Acute Tox. 3		H301

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Remove the casualty into fresh air and keep him calm. Seek medical advice immediately.

After skin contact

Remove contaminated, soaked clothing immediately and dispose of safely. Wash off immediately with soap and water and rinse well.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water.

After ingestion

Summon a doctor immediately.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguishing measures to suit surroundings

5.2. Special hazards arising from the substance or mixture

The product is combustible. In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use personal protective clothing. In case of combustion use a suitable breathing apparatus.

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 contact with skin, eyes and clothing. Avoid dust formation.

6.2. Environmental precautions

Do not empty into drains.

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". Clean up affected area.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Smoking, eating and drinking should be prohibited in application area. Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Hints on storage assembly

Not required.

Further information on storage conditions

Keep container tightly closed and dry.

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

General protective and hygiene measures

Keep away from food-stuffs, beverages and feed-stocks. Wash hands before breaks and after work.

Respiratory protection

Dust mask

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	Natural Latex
Appropriate Material	rubber

Eye protection

Safety glasses

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	solid		
Colour	white		
Odour	odourless		
pH value			
Value	4	to	6
Concentration/H ₂ O	8.3	g/l	
Melting point			
Value	270	to	274 °C
Initial boiling point and boiling range			
Remarks	not determined		
Flash point			
Value	°C		
Remarks	Not applicable		
Flammability (solid, gas)			

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Not ignitable

Vapour pressure

Remarks No data available

Solubility in waterValue 5.5 g/l
Temperature 20 °C**Partition coefficient: n-octanol/water**log Pow -0.008
Temperature 23 °C**Decomposition temperature**

Value > 273 °C

9.2. Other information**Bulk density**Value 280 kg/m³**SECTION 10: Stability and reactivity****10.1. Reactivity**

None

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

None

10.6. Hazardous decomposition products

None

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**ATE 272 mg/kg
Method calculated value (Regulation (EC) No. 1272/2008)**Acute oral toxicity (Components)****Theophylline**Species rat
LD50 272 mg/kg
Method BASF-test**Acute dermal toxicity (Components)****Theophylline**Species rat
LD50 > 2000 mg/kg**Acute inhalative toxicity (Components)**

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Theophylline

Species	rat			
LC50	>	6.7		mg/l
Duration of exposure		4	h	
Administration/Form	Dust/Mist			

Skin corrosion/irritation (Components)**Theophylline**

evaluation	non-irritant
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Serious eye damage/irritation (Components)**Theophylline**

evaluation	non-irritant
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Mutagenicity (Components)**Theophylline**

Remarks	None
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Reproduction toxicity (Components)**Theophylline**

Remarks	None
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Carcinogenicity (Components)**Theophylline**

Remarks	None
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SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity (Components)****Theophylline**

Species	golden orfe (Leuciscus idus)			
LC50		100		mg/l
Duration of exposure		96	h	
Method	DIN 38412 T.15			
Source	static			

Daphnia toxicity (Components)**Theophylline**

Species	Daphnia magna			
EC50		178		mg/l
Duration of exposure		48	h	

Algae toxicity (Components)**Theophylline**

Species	Scenedesmus subspicatus			
EC50	>	100		mg/l
Duration of exposure		72	h	
Method	OECD 201			
Source	static			

Bacteria toxicity (Components)**Theophylline**

Species	activated sludge			
EC20	appr.	900		mg/l
Duration of exposure		180	min	
Method	OECD 209			

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Source aerob

12.2. Persistence and degradability**Biodegradability (Components)****Theophylline**

evaluation

Readily biodegradable

12.3. Bioaccumulative potential**Partition coefficient: n-octanol/water**

log Pow

-0.008

Temperature

23

°C

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

EWC waste code

07 05

wastes from the MFSU of pharmaceuticals

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

WGK 1

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(Germany)
Remarks

Self-assessment

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

H301 Toxic if swallowed.

CLP categories listed in Chapter 3

Acute Tox. 3 Acute toxicity, Category 3

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.