



Trade name: Thymolum

Substance number: 068323

Version: 2 / CH

Date revised: 23.04.10

Replaces Version: 1 / CH

Date of printing: 16.08.12

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

1.1. Product identifier

Thymolum

Item-No. 06832300

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

Use of the substance/preparation

Manufacture of pharmaceutical products, analytics

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 sdb@haenseler.ch

person responsible
for this SDS

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

Skin Corr. 1B H314

Water-react. 2 H411

Classification in accordance with EC directives

Classification Xn, R22

C, R34

N, R51/53

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal Word

Danger

Hazard statements

H302

Harmful if swallowed.

H314

Causes severe skin burns and eye damage.

H411

Toxic to aquatic life with long lasting effects.

Precautionary statements



Trade name: Thymolum

Substance number: 068323

Version: 2 / CH

Date revised: 23.04.10

Replaces Version: 1 / CH

Date of printing: 16.08.12

P273 Avoid release to the environment.
 P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P309 IF exposed or if you feel unwell:
 P310 Immediately call a POISON CENTER or doctor/physician.

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

Corrosive



Dangerous for the environment

R phrases

22 Harmful if swallowed.
 34 Causes burns.
 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S phrases

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 28.1 After contact with skin, wash immediately with plenty of water.
 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Hazardous component(s) to be indicated on label

contains Thymol

3. Composition/information on ingredients**Hazardous ingredients****Thymol**

CAS No.	89-83-8			
EINECS no.	201-944-8			
Concentration		>=	50	%
Classification	Xn, R22 N, R51/53 C, R34			

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

Acute Tox. 4	H302
Skin Corr. 1B	H314
Aquatic Chronic 2	H411

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



Trade name: Thymolum

Substance number: 068323

Version: 2 / CH

Date revised: 23.04.10

Replaces Version: 1 / CH

Date of printing: 16.08.12

After inhalation

Ensure supply of fresh air. Summon a doctor immediately.

After skin contact

In the event of contact with the skin wash immediately with polyethylene glycol, then with plenty of water. Remove contaminated, soaked clothing immediately and dispose of safely. Summon a doctor immediately.

After eye contact

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

After ingestion

Drink water in small gulps. Do not induce vomiting - aspiration hazard. Summon a doctor immediately. No trials on neutralisation.

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

Carbon dioxide, Foam, Dry powder

5.2. Special hazards arising from the substance or mixture

The product is combustible. Forms explosive mixture with air are possible. In case of combustion evolution of dangerous gases possible. Vapours heavier than air.

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

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

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Suppress vapours with water spray jet.

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

Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not inhale dust. Ensure supply of fresh air.

6.2. Environmental precautions

Do not allow to enter drains.

6.3. Methods and material for containment and cleaning up

To pick up dry. When picked up, treat material as prescribed under heading "Disposal". Clean up affected area. Avoid raising dust.

7. Handling and storage**7.2. Conditions for safe storage, including any incompatibilities****Recommended storage temperature**

Value 15 - 25 °C

Requirements for storage rooms and vessels

Keep tightly closed in a dry and cool place.

8. Exposure controls/personal protection



Trade name: Thymolum

Substance number: 068323

Version: 2 / CH

Date revised: 23.04.10

Replaces Version: 1 / CH

Date of printing: 16.08.12

8.2. Exposure controls

General protective and hygiene measures

Remove contaminated, soaked clothing immediately and dispose of safely. Preventative skin protection.
Wash hands and face after work.

Respiratory protection

Use breathing apparatus in dust-laden atmosphere. Short term: filter apparatus, combination filter A-P3

Hand protection

Gloves
Use of the substance/preparation Permanent hand contact

Reference substance Thymol
Appropriate Material nitrile rubber - NBR
Material thickness 0.11 mm
Penetrating time > 480 min

Gloves
Use of the substance/preparation Short-term hand contact

Reference substance Thymol
Appropriate Material nitrile rubber - NBR
Material thickness 0.11 mm
Penetrating time > 480 min

Eye protection

Tightly fitting safety glasses

Body protection

Protective clothing

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form crystalline
Colour colourless
Odour characteristic

pH

Value 5 to 7
Concentration/H₂O 0.8 g/l
Temperature 20 °C

Melting point

Value 49 to 51 °C

Boiling point

Value 233 °C
Pressure 1013 hPa

Flash point

Value 104 °C
method DIN 51758

Vapour pressure

Value 0.25 kPa
Temperature 50 °C

Density

Value 0.97 g/cm³
Temperature 20 °C



Trade name: Thymolum

Substance number: 068323

Version: 2 / CH

Date revised: 23.04.10

Replaces Version: 1 / CH

Date of printing: 16.08.12

Solubility in water

Value	0.98		g/l
Temperature	25	°C	

Octanol/water partition coefficient (log Pow)

log Pow	3.30		
---------	------	--	--

Ignition temperature

Value	285		°C
-------	-----	--	----

Viscosity**kinematic**

Value	4.3		mm ² /s
Temperature	50	°C	

9.2. Other information**Bulk density**

Value	appr. 600		kg/m ³
-------	-----------	--	-------------------

Other information

Forms explosive mixture with air are possible.

10. Stability and reactivity**10.4. Conditions to avoid**

Keep away from sources of heat and ignition.

10.5. Incompatible materials

Strong bases, Strong oxidising agents

10.6. Hazardous decomposition products

No data available.

Other information

Vapours and gases can form an explosive mixture with air.

11. Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

Reference substance	Thymol		
Species	rat		
LD50	980		mg/kg
Source	Safety Data Sheet Supplier		

Acute dermal toxicity

Reference substance	Thymol		
Species	rat		
LD50	> 2000		mg/kg
Source	Safety Data Sheet Supplier		

Skin corrosion/irritation

Reference substance	Thymol		
Species	rabbit		
valuation	corrosive		
method	OECD 404		
Source	Safety Data Sheet Supplier		

Serious eye damage/irritation



Trade name: Thymolum

Substance number: 068323

Version: 2 / CH

Date revised: 23.04.10

Replaces Version: 1 / CH

Date of printing: 16.08.12

Reference substance	Thymol
Species	rabbit
valuation	strongly irritant
method	OECD 405
Source	Safety Data Sheet Supplier

Mutagenicity

Reference substance	Thymol
valuation	No mutagenicity in the Ames-test.
method	Ames test
Source	Safety Data Sheet Supplier

Experience in practice

Irritates the mucous membrane.

Other information

Observe the usual precautions for handling chemicals.

12. Ecological information**12.1. Toxicity****Fish toxicity**

Reference substance	Thymol	
Species	Fathead minnow (<i>Pimephales promelas</i>)	
LC50	3.2	mg/l
Duration of exposure	96	h
Source	Safety Data Sheet Supplier	

Daphnia toxicity

Reference substance	Thymol	
Species	Daphnia magna	
EC50	3.2	mg/l
Duration of exposure	96	h
Source	Safety Data Sheet Supplier	

12.2. Persistence and degradability**Biodegradability**

Reference substance	Thymol	
Value	> 80	%
Duration of test	28	d
valuation	Readily biodegradable	
method	OECD 301	
Source	Safety Data Sheet Supplier	

Chemical oxygen demand (COD)

Value	2690	mg/g
-------	------	------

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

log Pow	3.30
---------	------

12.6. Other adverse effects**Behaviour in environment compartments.**

Because of the n-octanol/water distribution coefficient (log pOW) accumulation in organisms is possible.

General information / ecology

Toxic for aquatic organisms. Do not allow it to reach soil, ground water, water bodies or sewage system.



Trade name: Thymolum

Substance number: 068323

Version: 2 / CH

Date revised: 23.04.10

Replaces Version: 1 / CH

Date of printing: 16.08.12

13. Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Dispose of as unused product.

14. Transport information

Land transport ADR/RID

14.1. UN number

UN 2430

14.2. UN proper shipping name

ALKYLPHENOLS, SOLID, N.O.S

Danger releasing substance Thymol

14.3. Transport hazard class(es)

Class 8

Label 8

14.4. Packing group

Packing group III

Marine transport IMDG/GGVSee

14.1. UN number

UN 2430

14.2. UN proper shipping name

ALKYLPHENOLS, SOLID, N.O.S

Danger releasing substance Thymol

14.3. Transport hazard class(es)

Class 8

14.4. Packing group

Packing group III

Air transport ICAO/IATA

14.1. UN number

UN 2430

14.2. UN proper shipping name

ALKYLPHENOLS, SOLID, N.O.S

Danger releasing substance Thymol

14.3. Transport hazard class(es)

Class 8

14.4. Packing group

Packing group III

15. Regulatory information

16. Other information

R-phrases listed in chapter 3

22 Harmful if swallowed.

34 Causes burns.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard statements listed in chapter 3



Trade name: Thymolum

Substance number: 068323

Version: 2 / CH

Date revised: 23.04.10

Replaces Version: 1 / CH

Date of printing: 16.08.12

H302

Harmful if swallowed.

H314

Causes severe skin burns and eye damage.

H411

Toxic to aquatic life with long lasting effects.

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.