



Trade name: Midazolamum

Substance number: 065680

Version: 2 / CH

Date revised: 16.02.12

Replaces Version: 1 / CH

Date of printing: 14.08.12

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

1.1. Product identifier

Midazolamum

Item-No. 06568000

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

Use of the substance/preparation

Manufacture of pharmaceutical products

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

Classification in accordance with EC directives

Classification Xn, R22

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms ***



Signal Word ***

Warning

Hazard statements ***

H302 Harmful if swallowed.

Precautionary statements

P264.1 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

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.



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Hazard symbols

Harmful

R phrases

22 Harmful if swallowed.

S phrases ***

36 Wear suitable protective clothing.
 46 If swallowed, seek medical advice immediately and show this container or label.
 60 This material and its container must be disposed of as hazardous waste.

Hazardous component(s) to be indicated on label

contains *** midazolam

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

CAS No.	59467-70-8			
EINECS no.	261-774-5			
Concentration		>=	50	%
Classification	Xn, R22			

Classification (Regulation (EC) No. 1272/2008)			
Acute Tox. 4		H302	

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

Remove affected person from danger area. Take affected person to fresh air. Seek medical advice immediately. In any case show the physician the Safety Data Sheet.

After inhalation

Remove affected person from danger area. Remove the casualty into fresh air and keep him calm. Summon a doctor immediately.

After skin contact

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

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Eye treatment by an Oculist.

After ingestion

Rinse mouth thoroughly with water. If swallowed, rinse mouth with water (only if the person is conscious). Call in a physician immediately and show him the Safety Data Sheet.

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



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Suitable extinguishing media

Water spray jet, Foam, Dry powder, Carbon dioxide

5.2. Special hazards arising from the substance or mixture

The product is combustible. In case of combustion evolution of dangerous gases possible. In the event of fire the following can be released: Nitrous gases (NO_x); Carbon monoxide (CO); Carbon dioxide (CO₂); compounds containing: Chlorine (Cl₂)

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

Use self-contained breathing apparatus.

Other information

Cool endangered containers with water spray jet.

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

Wear protective equipment. Refer to protective measures listed in sections 7 and 8.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Pick up mechanically. When picked up, treat material as prescribed under heading "Disposal". Clean up affected area.

6.4. Reference to other sections

Information regarding personal protective measures see, chapter 8. Information regarding Waste Disposal, see chapter 13.

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

Wear protective equipment. Keep away sources of ignition.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

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

Value 40 °C

Requirements for storage rooms and vessels

Keep container tightly closed and dry.

Hints on storage assembly

Not required.

Further information on storage conditions

Protect from light. Keep container tightly closed in a well-ventilated place.

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



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Keep away from food-stuffs, beverages and feed-stocks. Wash hands before breaks and after work. Do not eat, drink or smoke during work time. Remove contaminated, soaked clothing immediately and dispose of safely.

Respiratory protection

Dust mask

Hand protection

Protective gloves

Appropriate Material Polyethylene

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 rubber

Eye protection

Safety glasses

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

Form	Powder
Colour	white to slightly yellow
pH	
Remarks	Not determined
Melting point	
Value	appr. 159 °C
Boiling point	
Remarks	Not determined
Solubility in water	
Remarks	virtually insoluble
Solubility in other solvents	
Methanol	
Remarks	soluble
Ethanol	
Remarks	soluble
Octanol/water partition coefficient (log Pow)	
log Pow	2.54

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

If product is heated above decomposition temperature toxic vapours may be released.

10.5. Incompatible materials

Strong oxidising agents, strong acids

10.6. Hazardous decomposition products

Hazardous determin decomposition products: Carbon monoxide and carbon dioxide, Chlorine compounds

11. Toxicological information**11.1. Information on toxicological effects**



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Acute oral toxicity

Species	rat		
LD50	215		mg/kg
Species	mouse		
LD50	500		mg/kg

Skin corrosion/irritation

Remarks No data available.

Serious eye damage/irritation

Remarks No data available.

Sensitization

Remarks No data available.

Mutagenicity

valuation No mutagenicity in the Ames-test.

Carcinogenicity

valuation No negative effects

Experience in practice

disorders of the central nervous system. Possible risk of harm to the unborn child. May cause harm to breastfed babies.

Other information

Women of childbearing age should avoid the contact with the product.

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

Species	zebra fish (Brachydanio rerio)		
LC50	4.3		mg/l
Duration of exposure	96	h	

Daphnia toxicity

Species	Daphnia magna		
EC50	7.1		mg/l
Duration of exposure	48	h	

Algae toxicity

EbC50	11.4		mg/l
Duration of exposure	72	h	

Bacteria toxicity

EC/LC50	> 100		mg/l
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12.2. Persistence and degradability**Biodegradability**

Value	6		%
Duration of test	28	d	
valuation	not degradable		

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

log Pow	2.54
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12.5. Results of PBT and vPvB assessment



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Hazard statements listed in chapter 3

H302

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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.