

Trade name: Morphini hydrochloridum

Substance number: 055000

Version: 4 / CH

Date revised: 17.12.2018

Replaces Version: 3 / CH

Print date: 01.10.19

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

### **1.1. Product identifier**

Morphini hydrochloridum

Item No. 05500000

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

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

Narcotic analgesic, opioid, Manufacture of pharmaceutical products, Chemical for synthesis

### **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. 4	H302
Acute Tox. 2	H330
Resp. Sens. 1	H334
Skin Sens. 1	H317
Repr. 2	H361fd

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**

H317	May cause an allergic skin reaction.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H302	Harmful if swallowed.
H330	Fatal if inhaled.

Trade name: Morphini hydrochloridum

Substance number: 055000

Version: 4 / CH

Date revised: 17.12.2018

Replaces Version: 3 / CH

Print date: 01.10.19

H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

**Precautionary statements**

P201 Obtain special instructions before use.  
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P284 [In case of inadequate ventilation] wear respiratory protection.  
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P310 Immediately call a POISON CENTER or doctor.

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

contains Morphine hydrochloride

**Supplemental information****Other information**

Not for supply to the general public in Switzerland

**SECTION 3: Composition/information on ingredients****Molecular weight**

Value 375.89

**Hazardous ingredients****Morphine hydrochloride**

CAS No. 6055-06-7

EINECS no. 200-136-2

Concentration  $\geq$  100 %

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

Acute Tox. 2	H330	Route of exposure: inhalative
Resp. Sens. 1	H334	Route of exposure: inhalative
Repr. 2	H361fd	
Acute Tox. 4	H302	
Skin Sens. 1	H317	

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

Remove contaminated, soaked clothing immediately and dispose of safely. If you feel unwell, seek medical advice (show the label where possible).

**After inhalation**

Remove the casualty into fresh air and keep him calm. Keep warm and at rest. Irregular breathing/no breathing: artificial respiration. If necessary, give oxygen. Summon a doctor immediately.

**After skin contact**

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.). Seek medical advice immediately.

**After ingestion**

Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Never give anything by mouth to an unconscious person. Summon a doctor immediately.

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

Nausea, Vomiting, Shortness of breath, Asthmatic complaints, amnesia, Headache, Dizziness

Trade name: Morphini hydrochloridum

Substance number: 055000

Version: 4 / CH

Date revised: 17.12.2018

Replaces Version: 3 / CH

Print date: 01.10.19

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Water, Alcohol-resistant foam, Carbon dioxide, Dry chemical extinguisher

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

Take precautionary measures against static charges. Development of toxic gases; Forms explosive mixture with air are possible. In the event of fire the following can be released: Nitrogen oxides (NO<sub>x</sub>); Hydrogen chloride (HCl); The product is combustible.

### **5.3. Advice for firefighters**

#### **Special protective equipment for fire-fighting**

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

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Remove persons to safety. Keep people away and stay on the upwind side. Avoid dust formation. Refer to protective measures listed in Sections 7 and 8.

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

Suitable industrial vacuum cleaners or central exhaust ventilation equipment must be used for taking up dust (with a suitable filter to prevent particles blowing back into the atmosphere e.g. Type H(BS5415)). Send in suitable containers for recovery or disposal. Containers in which spilt substance has been collected must be adequately labelled. After cleaning, flush away traces with water. When picked up, treat material as prescribed under Section 13 "Disposal".

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Take action to prevent static discharges. Do not inhale dust. Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid the formation and deposition of dust.

#### **Advice on protection against fire and explosion**

Take action to prevent static discharges. Earthing necessary during loading operations. Avoid dust formation. The product is capable of dust explosions.

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

#### **Further information on storage conditions**

Protect from light. Keep container tightly closed and dry in a cool, well-ventilated place. Protect from light. Keep under lock and key or accessible only to specialists or people who are authorized.

## **SECTION 8: Exposure controls/personal protection**

### **8.2. Exposure controls**

#### **Exposure controls**

See Section 7. No measures exceeding the ones mentioned necessary.

#### **General protective and hygiene measures**

Wash thoroughly after work. Store work clothing separately. At work do not eat, drink, smoke or take drugs. General industrial hygiene practice. Observe the usual precautions for handling chemicals. Wash contaminated clothing before reuse.

Trade name: Morphini hydrochloridum

Substance number: 055000

Version: 4 / CH

Date revised: 17.12.2018

Replaces Version: 3 / CH

Print date: 01.10.19

**Respiratory protection**

necessary; Self-contained breathing apparatus.

**Hand protection**

Rubber gloves

**Eye protection**

Safety glasses with side protection shield

**Body protection**

Protective clothing; Clothing as usual in the chemical industry.

**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	5	
<b>Melting point</b>		
Value	appr. 200	°C
<b>Initial boiling point and boiling range</b>		
Remarks	No data available	
<b>Flash point</b>		
Value		°C
Remarks	Not applicable	
<b>Vapour pressure</b>		
Remarks	No data available	
<b>Solubility in water</b>		
Value	42	g/l
<b>Partition coefficient: n-octanol/water</b>		
Remarks	No data available	

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

Avoid dust formation. Protect from exposure to air/oxygen. Protect from light and atmospheric moisture.

**10.5. Incompatible materials**

Alkalies, Potassium permanganate, Iodine, Magnesium

**10.6. Hazardous decomposition products**nitrous oxides (NO<sub>x</sub>), Hydrogen chloride (HCl), Carbon monoxide and carbon dioxide**Other information**

chemical stable

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

ATE 335 mg/kg

Trade name: Morphini hydrochloridum

Substance number: 055000

Version: 4 / CH

Date revised: 17.12.2018

Replaces Version: 3 / CH

Print date: 01.10.19

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

**Acute oral toxicity (Components)****Morphine hydrochloride**

Species	mouse	
LD50	775	mg/kg

**Morphine hydrochloride**

Species	rat	
LD50	335	mg/kg

**Acute inhalational toxicity**

ATE	0.5	mg/l
-----	-----	------

Administration/Form Vapors

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

ATE	0.05	mg/l
-----	------	------

Administration/Form Dust/Mist

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

**Skin corrosion/irritation**

Remarks Irritating to skin.

**Serious eye damage/irritation**

Remarks Irritates the eyes.

**Sensitization**

Remarks May cause sensitization by inhalation.

Remarks May cause sensitization by skin contact.

**Reproductive toxicity**

Remarks May cause adverse reproductive effects.

Remarks Possible risk of congenital malformation in the fetus.

**Carcinogenicity**

Remarks No evidence available on carcinogenicity.

**Experience in practice**

Possible risk of harm to the unborn child. May lead to drowsiness and unconsciousness. May cause nausea/ vomiting/ asthma. May lead to nausea, headache, drowsiness and dizziness. May cause sensitization by inhalation and skin contact. Irritation

**SECTION 12: Ecological information****12.3. Bioaccumulative potential****Partition coefficient: n-octanol/water**

Remarks No data available

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

Ecological data are not available. Warning - substance not yet fully tested.

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

EWC waste code	07	Wastes from organic chemical processes
EWC waste code	07 05	wastes from the MFSU of pharmaceuticals
EWC waste code	07 05 08*	other still bottoms and reaction residues

Disposal in compliance with local and national regulations.

Trade name: Morphini hydrochloridum

Substance number: 055000

Version: 4 / CH

Date revised: 17.12.2018

Replaces Version: 3 / CH




Print date: 01.10.19

Do not allow to enter drains or water courses.

**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	1544	1544	1544
14.2. UN proper shipping name	ALKALOIDS, SOLID, N.O.S. (Morphine hydrochloride)	ALKALOIDS, SOLID, N.O.S. (Morphine hydrochloride)	ALKALOIDS, SOLID, N.O.S. (Morphine hydrochloride)
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 2
Remarks	Self-assessment

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

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H330	Fatal if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.

**CLP categories listed in Chapter 3**

Acute Tox. 2	Acute toxicity, Category 2
Acute Tox. 4	Acute toxicity, Category 4
Repr. 2	Reproductive toxicity, Category 2
Resp. Sens. 1	Respiratory sensitization, Category 1
Skin Sens. 1	Skin sensitization, Category 1

Trade name: Morphini hydrochloridum

Substance number: 055000

Version: 4 / CH

Replaces Version: 3 / CH

Date revised: 17.12.2018

Print date: 01.10.19

### 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.