



Trade name: Dimethylis sulfoxidum

Substance number: 154850

Version: 1 / CH

Date revised: 07.05.12

Replaces Version: - / CH

Date of printing: 07.05.12

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

### **1.1. Product identifier**

Dimethylis sulfoxidum

Item-No. 15485000

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

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

Reagent for analyses, 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**

### **2.2. Label elements**

#### **Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC**

The product does not require a hazard warning label in accordance with EC Directives.

#### **S phrases**

24/25 Avoid contact with skin and eyes.

### **2.3. Other hazards**

No special hazards have to be mentioned.

## **3. Composition/information on ingredients**

#### **Substance / product identification**

CAS-Nr. 67-68-5

EINECS-Nr. 200-664-3

#### **Molecular weight**

Value 78.13 g/mol

## **4. First aid measures**

### **4.1. Description of first aid measures**

#### **After inhalation**

Ensure supply of fresh air.

#### **After skin contact**

Wash skin thoroughly with water (15 min.). Remove contaminated clothing.



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**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.).

**After ingestion**

Let plenty of water be drunk in small gulps.

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

Water, Dry powder, Foam, Carbon dioxide

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

Forms explosive mixture with air are possible. In the event of fire the following can be released:

Sulfuroxides (SO<sub>x</sub>)**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

Use self-contained breathing apparatus. Wear protective clothing.

**Other information**

Cool endangered containers with water spray jet. Do not discharge into surface waters/groundwater.

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

Avoid contact with skin, eyes and clothing. Use breathing apparatus if exposed to vapours/dust/aerosol. Ensure adequate ventilation.

**6.2. Environmental precautions**

Do not allow to enter drains.

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

Pick up rest with suitable absorbent materials.

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

No special requirements.

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

Value &gt; 25 °C

**Further information on storage conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from warmth.

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

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

**Respiratory protection**



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Breathing apparatus in the event of aerosol or mist formation.

**Hand protection**

Protective gloves

Appropriate Material

Polychloroprene

Appropriate Material

Natural Latex

**Eye protection**

necessary

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

<b>Form</b>	Liquid
<b>Colour</b>	colourless
<b>Odour</b>	odourless
<b>Melting point</b>	
Value	18.5 °C
<b>Boiling point</b>	
Value	189 °C
<b>Flash point</b>	
Value	89 °C
<b>Explosion limits</b>	
Lower explosion limit	1.8 % (V)
Upper explosion limit	63 % (V)
<b>Vapour pressure</b>	
Value	0.6 hPa
<b>Density</b>	
Value	1.101 g/cm <sup>3</sup>
<b>Solubility in water</b>	
Value	1000 g/l
<b>Octanol/water partition coefficient (log Pow)</b>	
log Pow	-1.35
<b>Ignition temperature</b>	
Value	300 to 302 °C
<b>Viscosity</b>	
<b>dynamic</b>	
Value	2.14 mPa.s

**9.2. Other information****Other information**

The product is hygroscopic. Forms explosive mixture with air are possible.

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

Protect from warmth.

**10.5. Incompatible materials**

Strong oxidising agents, Acids, Halogens, Alkaline metals, nitrates, nitrogen oxides, Incompatible with: Metals, Formation of explosive gas/air mixtures.



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**10.6. Hazardous decomposition products**sulphurous oxides (SO<sub>x</sub>)**11. Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity**

Species	rat		
LD50		14500	mg/kg

**Acute dermal toxicity**

Species	rat		
LD50		40000	mg/kg

**Skin corrosion/irritation**

valuation	slightly irritant
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**Serious eye damage/irritation**

valuation	slightly irritant
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**12. Ecological information****12.1. Toxicity****Fish toxicity**

Species	rainbow trout ( <i>Oncorhynchus mykiss</i> )		
LC50		38500	mg/l
Duration of exposure	96	h	

**Bacteria toxicity**

EC50	10	to	100	mg/l
Duration of exposure	30	min		

**12.2. Persistence and degradability****Biodegradability**

valuation	not readily degradable
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**12.3. Bioaccumulative potential****Octanol/water partition coefficient (log Pow)**

log Pow	-1.35
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**12.6. Other adverse effects****General information / ecology**

Do not allow it to reach ground water, water bodies or sewage system.

**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**



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### **Land transport ADR/RID**

Non-dangerous goods

### **Marine transport IMDG/GGVSee**

The product does not constitute a hazardous substance in sea transport.

### **Air transport ICAO/IATA**

The product does not constitute a hazardous substance in air transport.

## **15. Regulatory information**

## **16. Other information**

### **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.