



Trade name: Povidonum K25/Sigma-Aldrich GmbH 81399

Substance number: 067382

Version: 2 / CH

Date revised: 27.09.12

Replaces Version: 1 / CH

Date of printing: 27.09.12

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

### **1.1. Product identifier**

Povidonum K25/Sigma-Aldrich GmbH 81399

Item-No. 06738200

### **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**

### **2.2. 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/the relevant national laws.

### **2.3. Other hazards**

No special hazards have to be mentioned.

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

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

CAS-Nr. 9003-39-8

## **4. First aid measures**

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

#### **General information**

Remove contaminated, soaked clothing immediately and dispose of safely.

#### **After inhalation**

Ensure supply of fresh air. Keep warm and at rest.

#### **After skin contact**

Wash off immediately with soap and water.

#### **After eye contact**

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



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#### **After ingestion**

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Summon a doctor immediately.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

##### **Hints for the physician / treatment**

Symptomatic treatment (decontamination, vital functions), no specific antidote known.

### **5. Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Water spray jet

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

In the event of fire the following can be released: Carbon dioxide (CO<sub>2</sub>); Nitrogen oxides (NO<sub>x</sub>); Cyanide

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

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

Use self-contained breathing apparatus.

##### **Other information**

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations. Collect contaminated fire-fighting water separately, must not be discharged into the drains.

### **6. Accidental release measures**

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

Avoid dust formation.

#### **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.

### **7. Handling and storage**

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

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

Take precautionary measures against electrostatic loading. Danger of dust explosion. Procure extinguisher

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

##### **Requirements for storage rooms and vessels**

Keep container tightly closed and dry. Store away from sources of ignition and heat.

### **8. Exposure controls/personal protection**

#### **8.2. Exposure controls**

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

Observe the usual precautions when handling chemicals.

##### **Respiratory protection**



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Breathing apparatus in the event of aerosol. Breathing apparatus in the event of vapours.

**Hand protection**

Protective gloves	
Use of the substance/preparation	Permanent hand contact
Appropriate Material	nitrile rubber - NBR
Material thickness	0.4 mm
Penetrating time	> 480 min
Protective gloves	
Use of the substance/preparation	Permanent hand contact
Appropriate Material	Polychloroprene
Material thickness	0.5 mm
Penetrating time	> 480 min
Protective gloves	
Use of the substance/preparation	Permanent hand contact
Appropriate Material	PVC
Material thickness	0.7 mm
Penetrating time	> 480 min

**Eye protection**

Safety glasses with side protection shield

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

<b>Form</b>	Powder
<b>Colour</b>	white to cream colour
<b>Odour</b>	slight, original odour
<b>pH</b>	
Value	appr. 5 to 9
Concentration/H <sub>2</sub> O	100 g/l
Temperature	20 °C
Source	Safety Data Sheet Supplier
<b>Melting point</b>	
Value	>= 130 °C
<b>Flash point</b>	
Value	> 215 °C
method	DIN 51755
Source	Safety Data Sheet Supplier
<b>Density</b>	
Value	appr. 1.2 g/cm <sup>3</sup>
Temperature	20 °C
Source	Safety Data Sheet Supplier
<b>Solubility in water</b>	
Value	> 270 g/l
Temperature	23 °C
Remarks	soluble
Source	Safety Data Sheet Supplier
<b>Solubility in other solvents</b>	
organic solvents	
Remarks	soluble



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Source

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**Octanol/water partition coefficient (log Pow)**

log Pow -3.4

**Ignition temperature**

Value 425 °C

method DIN 51794

Source Safety Data Sheet Supplier

**Thermal decomposition**Value  $\geq$  130 °C**9.2. Other information****Bulk density**Value 400 to 600 kg/m<sup>3</sup>

Source Safety Data Sheet Supplier

**10. Stability and reactivity****10.4. Conditions to avoid****Thermal decomposition**Value  $\geq$  130 °C**10.5. Incompatible materials**

No decomposition if stored and applied as directed. Danger of dust explosion

**10.6. Hazardous decomposition products**

No hazardous decomposition products known when handled according to prescribed instructions.

**Other information**

Danger of dust explosion

**11. Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity**Species rat  
LD50 > 2.000 mg/kg

method BASF-test

Source Safety Data Sheet Supplier

**Acute inhalational toxicity**Species rat  
LD50 > 5.2 mg/l

Duration of exposure 4 h

method OECD 403

Source Safety Data Sheet Supplier

**Skin corrosion/irritation**Species rabbit  
valuation non-irritant  
method Draize method  
Source Safety Data Sheet Supplier**Sensitization**

Remarks No sensitisation effect known.

**Mutagenicity**



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Remarks None

**Reproduction toxicity**

Remarks No indications of toxic effects were observed in reproduction studies in animals.

**Carcinogenicity**

Remarks None

**Other information**

When handled appropriately, even after long years of experience with this product, no adverse health effects are known.

The product has not been tested. The information is derived from products of similar composition.

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

Species	golden orfe ( <i>Leuciscus idus</i> )	
LC50	> 10.000	mg/l
Duration of exposure	96	h
method	DIN 38412 T.15	
Source	Safety Data Sheet Supplier	

**Bacteria toxicity**

Species	activated sludge	
EC20	> 1.995	mg/l
Duration of exposure	0.5	h
method	OECD 209	
Source	Safety Data Sheet Supplier	

**12.2. Persistence and degradability****Physico-chemical eliminability**

valuation Slightly eliminable from water

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

log Pow -3.4

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

Because of its consistency the product cannot be dispersed in the environment. Adverse ecological effects are therefore unlikely on the basis of current knowledge.

**Behaviour in sewers [waste treatment plants]**

When low concentrations are discharged correctly into adapted biological sewage treatment plants, disturbance of the degradation activity of activated sludge is not likely.

**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.



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## **14. Transport information**

### **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**

### **15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

## **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.