

Trade name: Povidonum K25/Sigma-Aldrich GmbH 81399

Substance number: 067382

Version: 4 / CH

Date revised: 08.05.2023

Replaces Version: 3 / CH

Print date: 08.05.23

SECTION 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

Pharmaceutical excipient

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

Voluntary product information following the Safety Data Sheet format

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

The product does not require a hazard warning label in accordance with Regulation (EC) No 1272/2008.

2.3. Other hazards

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients ***

Further ingredients ***

Polyvinylpyrrolidone (PVP)

CAS No. 9003-39-8

Concentration >= 95 %

Advice: [4]

Note

[4] Voluntary information

SECTION 4: First aid measures

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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.).

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.

SECTION 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 (CO₂); Nitrogen oxides (NO_x); Cyanides

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation. The product is not capable of dust explosions. Keep away from sources of ignition
- No smoking.

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.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Take action to prevent static discharges. Danger of dust explosion. Procure extinguisher

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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.

Storage classes

Storage class according to TRGS 510	13	Non- combustible solids
Storage category (Switzerland)	NG	Other solid hazardous substances without classification/labelling hazardous

SECTION 8: Exposure controls/personal protection ***

8.2. Exposure controls

General protective and hygiene measures

Observe the usual precautions for handling chemicals.

Respiratory protection

Breathing apparatus in the event of aerosol. Breathing apparatus in the event of vapours. Particle filter P1; FFP1 (EN 149)

Hand protection ***

Chemical resistant gloves			
Use	Permanent hand contact		
Appropriate Material	nitrile rubber - NBR		
Material thickness	0.4	mm	
Breakthrough time	> 480	min	
Hand protection must comply with EN 374.			

Chemical resistant gloves			
Use	Permanent hand contact		
Appropriate Material	Polychloroprene		
Material thickness	0.5	mm	
Breakthrough time	> 480	min	
Hand protection must comply with EN 374.			

Eye protection

Safety glasses with side protection shield; Eye protection must comply with EN 166.

Body protection

Personnel should wear protective clothing. Personal protective clothing must comply with the relevant CEN standards.

SECTION 9: Physical and chemical properties ***

9.1. Information on basic physical and chemical properties

Physical state	solid		
Colour	white to cream colour		
Odour	almost odourless		
Physical state	Powder		
Melting point			
Value	>=	130	°C
Flash point			
Value		°C	
Remarks	Not applicable		
Decomposition temperature ***			
Value		225	°C

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pH value

Value 3 to 5

Solubility(ies)

organic solvents

Remarks soluble

9.2. Other information**Solubility in water**

Remarks soluble

Minimum ignition energy

Minimum ignition energy 10 to 30 MJ

Remarks Dust

Bulk densityValue 400 to 490 kg/m³**SECTION 10: Stability and reactivity****10.1. Reactivity**

No decomposition if stored and applied as directed.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

Avoid dust formation. The product is not a dust explosion risk as supplied; however the build-up of fine dust can lead to a risk of dust explosions.

10.4. Conditions to avoid

Avoid dust formation.

10.5. Incompatible materials

No decomposition if stored and applied as directed. Danger of dust explosion, Avoid contact with: Alkalies

10.6. Hazardous decomposition products

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

Other information

Danger of dust explosion

SECTION 11: Toxicological information *****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity (Components)****Polyvinylpyrrolidone (PVP)**

Species	rat	
LD50	> 2000	mg/kg
Method	BASF-test	

Acute inhalative toxicity (Components)**Polyvinylpyrrolidone (PVP)**

Species	rat	
LC50	> 5.2	mg/l
Method	OECD 403	

Skin corrosion/irritation (Components)

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Polyvinylpyrrolidone (PVP)

Species	rabbit
evaluation	non-irritant
Method	Draize method

Serious eye damage/irritation (Components)**Polyvinylpyrrolidone (PVP)**

Species	rabbit
evaluation	non-irritant
Method	Draize method

Sensitization

Remarks	No sensitization effect known.
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Mutagenicity (Components)**Polyvinylpyrrolidone (PVP)**

evaluation	No experimental indications on genotoxicity in vivo found.
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Reproduction toxicity (Components)**Polyvinylpyrrolidone (PVP)**

Remarks	No data available.
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Carcinogenicity (Components)**Polyvinylpyrrolidone (PVP)**

Route of exposure	oral
evaluation	No indications of carcinogenic effects are available from long-term trials.

11.2 Information on other hazards**Endocrine disrupting properties with respect to humans**

This substance does not have endocrine disrupting properties with respect to humans.

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.

SECTION 12: Ecological information *****12.1. Toxicity****Fish toxicity (Components)****Polyvinylpyrrolidone (PVP)**

Species	golden orfe (<i>Leuciscus idus</i>)	
LC50	> 10000	mg/l
Duration of exposure	96	h
Method	DIN 38412 T.15	

Bacteria toxicity (Components)**Polyvinylpyrrolidone (PVP)**

Species	activated sludge	
EC20	> 1995	mg/l
Duration of exposure	0.5	h
Method	OECD 209	

12.2. Persistence and degradability**Physico-chemical eliminability (Components)****Polyvinylpyrrolidone (PVP)**

Value	< 10	%
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Duration of test evaluation 15 d
Slightly eliminable from water
Source OECD 302 B

12.4. Mobility in soil**General information**

No data available

12.5. Results of PBT and vPvB assessment**Results of PBT and vPvB assessment *****

The Substance does not meet PBT-criteria.

This substance does not meet the vPvB-criteria.

12.6 Endocrine disrupting properties**Endocrine disrupting properties with respect to the environment**

This substance does not have endocrine disrupting properties with respect to non-target organisms.

12.7. 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.

SECTION 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.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

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 1

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

15.2. Chemical safety assessment

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

SECTION 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.