


<p>Page 1 of 4</p> <p>Print Date 27.11.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Povidon K 25</p>	 <p>Revision Date 27.11.2018</p>
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1 Identification of the substance/mixture and of the company/undertaking

- **Informations to product No. 2362**
- **Product name:**

Povidon K 25 **Povidonum**

- **Supplier of the Product / responsible Company:**

Caesar & Loretz GmbH
Herderstr. 31
40721 Hilden
Tel.: 02103/4994-0
Fax: 02103/32360
e-mail: info@caelo.de

- **Emergency telephone:**

Giftinformationszentrum Mainz
Langenbeckstr. 1, 55131 Mainz
Tel.: 06131/19240

- **Relevant identified uses of the substance or mixture and uses advised against:**

No further relevant information available.

- **Application of the substance / mixture:**

Ingredient for pharmaceutical drugs or active pharmaceutical ingredient.

2 Hazards identification

- **Hazards identification:** The substance is not classified as dangerous according to European Union legislation.

3 Composition / information on ingredients

- **Chemical characterization:**

CAS-No. Substance name

9003-39-8 Polyvinylpyrrolidone (2-Pyrrolidinon, 1-ethenyl-, homopolymer)


- **EINECS-No.:** 618-363-4

- **REACH Reg. No.:** - (Polymer)

- **INCI-Name:** PVP

4 First aid measures

- **After inhalation:** (dust) Coughing. Bring affected person to fresh air.
- **After skin contact:** Take off contaminated clothes and shoes, wash immediately with plenty of water and soap.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** Rinse mouth, drink plenty of water.

<p>Page 2 of 4</p> <p>Print Date 27.11.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Povidon K 25</p>	 <p>Revision Date 27.11.2018</p>
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5 Fire-fighting measures

- **Suitable extinguishing media:** All regular extinguishing media can be used. Select fire fighting measures suitable to surrounding environment.
- **Specific hazards during fire fighting:** Combustible. In case of fire dangerous vapours/gases can be generated: Smoke gases, nitrogen oxides, hydrogen cyanide.
- **Special protective equipment for fire-fighters:** Suitable protective clothes and respiratory protection.
- **Additional information:** Prevent fire extinguishing water from contaminating surface water, the ground water system or soil. Residues must be deposited according to local regulations.

6 Accidental release measures

- **Personal protective measures:** Avoid dust formation.
- **Environmental protective measures:** Prevent from entering into drains.
- **Methods for cleaning:** Take up dry. Disposal according to Chapter 13 of this MSDS. Clean up with water.

7 Handling and storage

- **Handling:**
- **Informations to fire or explosion protection:** Avoid dust formation. Take measures to prevent electrostatic charging.
- **Storage:**
- **Requirements for storage areas and containers:** Keep container tightly closed. Cool and dry.

8 Exposure controls / personal protective equipment


Components with limit values that require monitoring at the workplace:

The product contains the residual monomere: 1-Vinyl-2-pyrrolidon (traces).

- **Personal protective equipment:**
- **General protective and hygiene measures:** The usual precaution measures during handling of chemicals are to observe.
- **Respiratory protection:** Dust protection mask
- **Hand protection:** Protection gloves of rubber or latex.
- **Eye protection:** Protection glasses.

9 Physical and chemical properties

- **Form:** solid (Powder)
- **Colour:** white to light yellow
- **Odour:** faint odour.
- **Melting point / melting range:** > 130 °C (Decomposition)
- **Explosion hazard:** Explosive dust-air-mixtures can be formed..
- **Flash point:** > 215 °C Abel-Pensky
- **Ignition temperature:** 420 °C DIN 51794
- **Density:** (20 °C) 1,2 g/cm³; Bulk density: 400-600 kg/cbm.
- **Solubility in / Miscibility with**

Page 3 of 4 Print Date 27.11.2018	Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Povidon K 25	 Revision Date 27.11.2018
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- **Water:** readily soluble
- **pH-range:** (100 g/l, 20 °C) 3,0 - 5,0
- **Additional information:** Soluble in many organic solvents.

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** Decomposition > 130 °C.
- **Hazardous reactions:** Dust explosion hazard.
- **Hazardous decomposition products:** none if used appropriately.

11 Toxicological information


- **Acute toxicity:** LD50 (oral, rat): > 2000 mg/kg
After singular oral or inhalative exposure practically not toxic.
Experimental/calculated data:
LD50 Rat (oral): > 2.000 mg/kg (BASF-Test)
LC50 Rat (inhalativ): > 5,2 mg/l 4 h (OECD-Guideline 403)
- **Irritant effect**
Not irritant on skin. Not irritant on eyes.
Experimental/calculated data:
Skin irritation rabbit: Not irritant. (Draize-Test)
Serious eye damage/-irritation Rabbit: Not irritant. (Draize-Test)
- **Mutagenity**
The test on mammals did not show any mutagenic properties.
- **Cancerogenity**
Animal experiments did not show any carcinogene properties after consumption of big quantities in the food (long-termed test).
- **Teratogenity**
Animal experiments did not show any teratogene properties

12 Ecological information

- **Aquatic toxicity:**
Not acute harmful for water organisms.
Fish: LC50 (96 h) > 10.000 mg/l, *Leuciscus idus* (DIN 38412 part 15, static)
Microorganisms/effect on activated sludge:
EC20 (0,5 h) > 1.995 mg/l, activated sludge (OECD-Guideline 209, aerob)
- **Information about elimination (persistence and degradability):**
Not readily biodegradable.
< 10 % DOC-reduction (15 d) (OECD-guideline 302 B) (aerob, activated sludge, industrial)
- **Bioaccumulation potential**
The polymer is not bioavailable due to its structural properties. Bioaccumulation is not likely.
- **Water hazard class:** 1 (self classification): slightly hazardous for water.

13 Disposal considerations

- **Product:**
- **Recommendation:** Disposal according to local regulations as pharmaceutical waste..

<p>Page 4 of 4</p> <p>Print Date 27.11.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Povidon K 25</p>	 <p>Revision Date 27.11.2018</p>
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- **Empty contaminated packaging:**
- **Recommendation:** Disposal according to the local regulations.

14 Transport informations

- **Land transport according to ADR:**
Not classified as dangerous in the meaning of transport regulations.

15 Regulatory information

- **Labelling according to actual legislation (GHS, Globally Harmonized System of Classification and Labelling of Chemicals):**
The product does not need to be labelled according to GHS-regulations.
- **National regulations (Germany):**
- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 11

16 Other Information

The information provided in this MSDS is correct to the best of our knowledge at the date of edition.

- **Reason for last revision:** Adjustment to regulation (EC) 1907/2006 (REACH) and GHS-labelling system.