

MATERIAL SAFETY DATA SHEET

POLYVINYL PYRROLIDONE K25

(For Synthesis)

CAS NO. : 9003-39-8

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: POLYVINYL PYRROLIDONE K25 (For Synthesis)

CAS#: 9003-39-8

C.I. No.: Not available.

Synonym: Not available.

Chemical Name: POLYVINYL PYRROLIDONE K25 (For Synthesis)

Chemical Formula: (C₆H₉NO)_n

Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet:

Company identification: **OXFORD LAB FINE CHEM LLP**
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
Navghar, Vasai (East). Palghar - 401 210.
Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
Tel/Fax: 91-250-2390032

Section 2: Composition and Information on Ingredients

Composition:

| Name | CAS # | % by Weight |
|------------------------------|-----------|-------------|
| POLYVINYL PYRROLIDONE K25 | 9003-39-8 | 100 |

Section 3: Hazards Identification

Classification of the substance or mixture

Classification of the substance according to Regulation (EC) No 1272/2008:

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Other hazards: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Contact with water liberates toxic gas.

Section 4: First Aid Measures

Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Indication of any immediate medical attention and special treatment needed

No data available

Section 5: Fire and Explosion Data

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NOx)

Advice for firefighters

Wear self contained breathing apparatus for fire-fighting if necessary.

Further information

No data available

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities

Store in cool place.

Keep container tightly closed in a dry and well-ventilated place.

Storage class (TRGS 510): Combustible Solids

Section 8: Exposure Controls/Personal Protection

Control parameters

Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Section 8: Exposure Controls/Personal Protection (Continued)

Respiratory protection

Respiratory protection is not required. Where protection from nuisance le (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Do not let product enter drains.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

| | |
|--|-----------------------------------|
| a) Appearance Form | : Beige powder. |
| b) Odour | : No data available. |
| c) Odour threshold | : No data available. |
| d) pH | : 5.0-8 at 10 g/l at 20 °C |
| e) Melting point/range | : No data available. |
| f) Initial boiling point and boiling range | : No data available. |
| g) Autoignition temperature | : No data available. |
| h) Flammability (solid, gas) | : No data available. |
| i) Upper/lower flammability or explosive limits | : No data available. |
| j) Flash point [°C] | : No data available. |
| k) Evaporation rate | : No data available. |
| l) Vapour pressure | : No data available. |
| m) Vapour density | : No data available. |
| n) Relative density, | : No data available. |
| o) Solubility in water | : No data available. |
| p) Viscosity | : No data available. |
| q) Explosive properties | : No data available. |
| r) Oxidising properties | : No data available. |
| s) Decomposition temperature | : No data available. |
| t) Autoignition temperature | : No data available. |
| u) Molecular Weight | : ≈ 24000 g/mol |

Section 10: Stability and Reactivity Data

Reactivity : No data available.

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : No data available.

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : Strong oxidizing agents.

Hazardous decomposition products

Other decomposition products - Hazardous decomposition products formed under fire conditions.-

Carbon oxides, Nitrogen oxides (NOx).

Other decomposition products-No data available.

Section 11: Toxicological Information

Information on toxicological effects

LD50Oral-Rat-100,000 mg/kg(1-Ethenyl-2-pyrrolidinone homopolymer)

Remarks: Diarrhoea

Skin corrosion/irritation

Skin-Rabbit (1-Ethenyl-2-pyrrolidinone homopolymer)

Result: No skin irritation

Serious eye damage/eye irritation

Eyes-Rabbit (1-Ethenyl-2-pyrrolidinone homopolymer)

Result: No eye irritation

Respiratory or skin sensitization

Will not occur

(1-Ethenyl-2-pyrrolidinone homopolymer)

Germ cell mutagenicity

No data available (1-Ethenyl-2-pyrrolidinone homopolymer)

Carcinogenicity

This product is or contains a component that is not classifiable as to its classification. (1-Ethenyl-2-pyrrolidinone homopolymer)

IARC: 3-Group 3: Not classifiable as to its carcinogenicity to humans (1-Ethenyl-2-pyrrolidinone homopolymer)

Reproductive toxicity

No data available (1-Ethenyl-2-pyrrolidinone homopolymer)

Section 11: Toxicological Information (Continued)

Specific target organ toxicity - single exposure

No data available (1-Ethenyl-2-pyrrolidinone homopolymer)

Specific target organ toxicity - repeated exposure

No data available (1-Ethenyl-2-pyrrolidinone homopolymer)

Aspiration hazard

No data available (1-Ethenyl-2-pyrrolidinone homopolymer)

Additional Information

RTECS: TR8370000

Unexcreted particles may be phagocytized by cells of the reticuloendotheli spleen, lung, and bone marrow resulting in the storage disease thesaurosi of the particle. Pathological changes are not necessarily attributed to t granulomatoma have occurred. (1-Ethenyl-2-pyrrolidinone homopolymer)To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

(1-Ethenyl-2-pyrrolidinone homopolymer)

Section 12: Ecological Information

Toxicity: No data available.

Persistence - degradability : No data available.

Bioaccumulative potential : Not established.

Mobility in soil : Not established.

Results of PBT and vPvB assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects : No data available.

Section 13: Disposal Considerations

Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

Section 14: Transport Information

Land transport (ADR-RID)

General information : Not regulated.

Sea transport (IMDG) [English only]

General information : Not regulated.

Air transport (ICAO-IATA) [English only]

General information : Not regulated.

Section 15: Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

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