

Material Safety Data Sheet PVP - Povidone - Polyvinylpyrrolidone Powder

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Polyvinylpyrrolidone Powder.
Synonyms: Povidone; PVP.
Application: Laboratory and Research.

Distributed By:
Ingredient Depot

Prepared By: Ingredient Depot Compliance & Regulatory Affairs Dept.
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Telephone number of preparer: 1-800-463-0665

24-Hour Emergency Telephone Number: 1-800-463-0665

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percentage by weight	LD50s and LC50s Route & Species:
Polyvinylpyrrolidone CAS#: 9003-39-8	>95	Not available.
Water CAS#: 7732-18-5	<5	Not available.

Notes: No additional remark.

3. HAZARDS IDENTIFICATION

Route of Entry: Eye contact. Skin contact. Inhalation. Ingestion.

Eye Contact: Dust may cause mechanical irritation to eyes. Avoid eye contact.

Skin Contact: May cause skin irritation. Avoid skin contact.

Ingestion: Do not ingest.

Inhalation: Dust may irritate the respiratory tract. Avoid inhalation.

Medical Conditions Affected by Exposure: No additional Remark.

Signs of Over Exposure: No additional Remark.

4. FIRST AID MEASURES

Eye Contact: Immediately hold eyelids open and flush with water for at least 15 minutes. If irritation develops or persists, seek medical attention.

Skin Contact: Wash affected area immediately with large amounts of soap and water. Remove contaminated clothing and wash before reuse. If irritation develops or persists, seek medical attention.

Inhalation: Move victim to fresh air. If breathing has stopped, perform artificial respiration. If breathing is difficult, administer oxygen. In all cases of doubt, or when symptoms persist, seek medical attention.

Ingestion: DO NOT induce vomiting. Rinse out mouth with water. Give large quantities of water to drink. Seek medical attention.

Notes to Physician: No additional remark.

5. FIRE FIGHTING MEASURES

Flash Point (°C), Method: Not applicable.

Autoignition Temperature (°C): Not applicable.

Upper Flammable Limit (% Vol): Not applicable.

Lower Flammable Limit (% Vol): Not applicable.

Flammability: Com I.

Extinguishing Media: Water spray, foam, dry powder or carbon dioxide.

Hazardous Combustion Products: Carbon dioxide. Cyanides. Nitrogen oxide.

Sensitivity to Mechanical Impact: Not sensitive.

Sensitivity to Static Discharge: Dust suspended in air in critical proportions and in the presence of an ignition source may cause explosion.

Unusual Fire / Explosion Hazards: Assure all equipment is properly grounded as product may cause static discharge, and designed for controlled energy release. Avoid heat, sparks and open flames. Avoid high dust concentrations.

Special Fire Fighting Procedures: Use water spray to keep fire-exposed containers cool and absorb heat. Firefighters should wear protective equipment as required.

6. ACCIDENTAL RELEASE MEASURES

Leaks and Spills: Avoid creating dust. Vacuum/shovel up and transfer into a drum for reuse or disposal. Do not allow product to enter sewers or waterways. Wear protective clothing during cleanup.

7. HANDLING AND STORAGE

Handling Procedures: Avoid contact with eyes and skin. Avoid inhalation and ingestion. Avoid creation of respirable dust. Wash skin thoroughly after handling and before eating or smoking. Use good industrial hygiene practices in handling this material.

Storage Needs: Keep container tightly closed. . Store in a cool, dry, well-ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Requirements: Local exhaust preferred.

Personal Equipment:

Eye/Type: Safety glasses or goggles recommended. Eye wash fountains and emergency showers are recommended.

Respiratory/Type: A NIOSH/OSHA approved dust respirator should be worn. Consult your supplier of personal protective equipment for additional instructions on proper usage for nuisance dust.

Gloves/Type: Use chemical resistant, impervious gloves.

Clothing/Type: No special protective clothing is required.

Footwear/Type: No special footwear is required.

Body/Type: No special protective clothing is required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance: White. Powder.

Odour: Faint.

Odour Threshold (ppm): Not applicable.

Vapour Density (Air=1): Not applicable.

Vapour Pressure (mm Hg): Not applicable.

Evaporation Rate: Not applicable.

Boiling Point (°C): Not applicable.

Melting Point: 130 C.

pH: 3 - 8. (100 g/l @ 20 C).

Solubility in Water (% W/W): Not available.

Bulk Density: 400 - 600 kg/cm³.

Density: 1.2 g/cm³. @ 20 C.

Specific Density: Not available.

Coefficient of Water/Oil Distribution: Not applicable.

Freezing Point (°C): Not applicable.

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

Stability: The product is stable.

Instability Temperature: Not available.

Conditions to Avoid: Avoid generating dust. Avoid heat and any source of ignition.

Incompatibility: Alkalies.

Corrosivity: Non-corrosive in presence of glass.

Hazardous Products of Decomposition: Not available.

11. TOXICOLOGICAL INFORMATION

Oral Toxicity (LD50): Rat > 2,000 mg/kg.

Inhalation (LC50): Rat >5.2 mg/L 4 hr.

Toxicity Effects on Animals: Non-irritating.

Toxic Effects on Humans: May cause eye irritation. May cause irritation to respiratory tract. May cause skin irritation.

Chronic Effects on Animals: No specific information is available in our database regarding the other chronic toxic effects of this material for humans.

Carcinogenicity: No evidence of carcinogenic effects according to ACGIH or IARC.

Teratogenicity: No evidence of teratogen effects.

Mutagenicity: No evidence of mutagenic effects.

Reproductive Effects: No evidence of reproductive effects.

12. ECOLOGICAL INFORMATION

Ecotoxicity Data: No data.

Products of Degradation: No specific information is available in our database regarding the degradation of this product.

Biodegradability: Our database contains no additional remark on the biodegradation of this product.

13. DISPOSAL CONSIDERATIONS

Disposal of Waste Method: Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.

Contaminated Packaging: Empty containers should be recycled or disposed of through an approved waste management facility.

14. TRANSPORT INFORMATION

DOT (U.S.):

DOT Shipping Name: Not Regulated.

DOT Hazardous Class: Not Applicable.

DOT UN Number: Not Applicable.

DOT Packing Group: Not Applicable.

DOT Reportable Quantity (lbs): Not Applicable.

Notes: No additional remark.

Marine Pollutant: No.

ICAO/IATA:

IATA Proper Shipping Name: Not Regulated.

IATA Hazard Class: Not Applicable.

UN Number: Not Applicable.

Packing Group: Not Applicable.

IATA Label: Not Applicable.

IATA Remarks: No additional remark.

IMDG:

IMDG Proper Shipping Name: Not Regulated.

Hazard Class: Not Applicable.

UN Number: Not Applicable.

Packing Group: Not Applicable.

Marine Pollutant: No.

IMDG Label: Not Applicable.

Remarks: No additional remark.

TDG (Canada):

TDG Proper Shipping Name: Not Regulated.

Hazard Class: Not Applicable.

UN Number: Not Applicable.

Packing Group: Not Applicable.

Note: No additional remark.

Marine Pollutant: No.

15. REGULATORY INFORMATION

CEPA Status: All the ingredients are on the DSL list.

WHMIS Classification: This is not a WHMIS controlled product.

16. OTHER INFORMATION

Additional Information:

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Disclaimer:

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*****END OF MSDS*****