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Material Safety Data Sheet

Crospovidone

Section 1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

Product Name: CROSPVIDONE/PVPP/COVIDONE
CAS Number: 25249-54-1; 9003-39-8
Formula: (C₆H₉NO)_x
Contact info. for emergency: 0086 138 55110495 (24-hours hotline)

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Section 2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition:		
Name	CAS No.	% by weight
Crospovidone	25249-54-1; 9003-39-8	≥95

Section 3. HAZARDS IDENTIFICATION

Harmful if swallowed.

Potential Health Effects

The toxicological properties of this material have not been investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation. Compound is Non-hazardous, Non-Toxic/Non-Flammable.

Section 4. FIRST AID MEASURES**Eye Contact:**

Flush with copious amounts of water.

Skin Contact:

Wash with soap and water.

Ingestion:

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation:

No specific treatment is necessary since material is not likely to be hazardous by inhalation. If exposed to excessive levels of dust or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

Section 5. FIRE-FIGHTING MEASURES**Flash Point (°F):**

Not determined

Extinguishing Media:

All standard firefighting media

Unusual Fire/Explosion Hazards:

Powdered material may form explosive dust-air mixtures.

Special Protective Equipment:

Fire fighters should wear full protective clothing, including self-contained breathing equipment.

Section 6. ACCIDENTAL RELEASE MEASURES**Personal Precautionary Measures:**

Use appropriate protective equipment.

Procedure for Cleaning/Absorption:

Contain spill with sand or other inert materials.

Section 7. HANDLING AND STORAGE**Handling:**

Avoid generating or breathing dust. Minimize dust generation and accumulation.

Storage:

Keep containers tightly closed when not in use. Store in a cool, dry, ventilated place, out of direct sunlight.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Engineering Controls:**

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Personal Protective Equipment**Eyes:**

Wear safety glasses and chemical goggles if splashing is possible.

Skin:

Wear appropriate protective gloves and clothing to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to minimize contact with skin.

Respirators:

Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Powder

Color: White or Off White

PH (1% solution): 5.0-8.0

Boiling Point (°F): Not determined

Melting Point/Freezing Point(°F): Not determined

Vapor Pressure: Not determined

Solubility: Insoluble in Water

Section 10. STABILITY AND REACTIVITY**Chemical Stability:**

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials, strong oxidants.

Incompatibilities with Other Materials:

Strong oxidizing agents, strong bases.

Hazardous Decomposition Products:

Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, nitrogen.

Hazardous Polymerization:

Not been reported.

Section 11. TOXICOLOGICAL INFORMATION**Toxicity Test:**

Acute Oral LD50 (mg/kg): >5,000 (Rats & Mice)

Sensitization: Human RIPT: Non-sensitizing (PVP)

Mutagenicity: Non-mutagenic. (Ames Assay; Dominant Lethal Test on mice; L5178Y Mouse (TK+/-) Lymphoma Assay; Bone Marrow Chromosomal Aberration Assay; BALB/C 3T3 Transformation) (PVP) Reproductive/Developmental Toxicity: Various studies of the reproductive toxicity of PVP in rats and rabbits produced no evidence of embryo toxicity or teratogenicity.

Carcinogenicity:

Exposure of dogs and various rodent species to PVP via the diet, injection and implant at up to 10% produced no signs of carcinogenic activity. Exposure up to 10% in the diets of rats and dogs produced no signs of toxicity or carcinogenic potential.

Skin Irritation: Non irritating (Human RIPT). (PVP)

Eye Irritation: Non-irritating to rabbit eye. (PVP)

Other Information:

Sub-Chronic Oral Toxicity: Exposure up to 10% in the diets of rats produced no signs of toxicity.

Exposure up to 10% in the diet of dogs produced no signs of toxicity. (tested on analogous PVP)

Section 12. ECOLOGICAL INFORMATION**Biodegradability:**

Readily Biodegradability: Not readily biodegradable (11% in 28 Days) (PVP)

Aquatic Toxicity:

Juvenile Turbot: 96-hr. LC50 >1,000 mg/L (PVP)

Corophium Volutator; 10-Day LC50 >1,000 mg/L (PVP)

Marine Algae; 72-hr. EC50 >1,000 mg/L (PVP)

Salmon; PVP at up to 5% in the diet during smolt produced no signs of toxicity.

Salmon; PVP at up to 5% in the diet for 112 days did not produce any signs of toxicity.

Section 13. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14. TRANSPORT INFORMATION

IATA No information available.

IMO No information available.

ID/ADR No information available.

Section 15. REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 22 Harmful if swallowed.

Safety Phrases:

WGK (Water Danger/Protection)

CAS# United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada

CAS# is listed on Canada's DSL List.

CAS# is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

TSCA

CAS# is listed on the TSCA inventory

Section 16. OTHER INFORMATION

Important Note: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

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If you have any questions, please contact us by follow:

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