

Material Safety Data Sheet

PVP IODINE

Revision Date: 11/02/2004

Issued: 11/02/2004

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Identification of the substance/preparation

Product Name: PVP IODINE

CAS Registry Number: 25655-41-8

CAS Name: 2-Pyrrolidinone, 1-ethenyl-, homopolymer, compound with iodine

EEC Name: Poly (1-Ethenylpyrrolidin-2-one) iodine complex

Molecular Weight: (C₆H₉NO)_x·xI₂

Date MSDS Prepared: 05Mar 1999

Safety Data Review Date: 11Apr2000

Company: Chemtrade International

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Product Name: PVP IODINE

CAS Registry Number: 25655-41-8

3. HAZARDS IDENTIFICATION

Hazard Overview

Target Organs: None.

Primary Entry Routes: Not applicable.

Acute Health Hazards: None known.

Chronic Health Hazards: None known

Signs and Symptoms of Overexposure

Eye Contact: Not a hazard under normal use conditions.

Skin Contact: Not a hazard under normal use conditions.

Ingestion: Not a hazard under normal use conditions.

Inhalation: Not a hazard under normal use conditions.

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.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautionary

Measures:

Use appropriate protective equipment.

Procedure for

Cleaning/Absorption:

Contain spill with sand or other inert materials.

7. HANDLING AND STORAGE

Handling: Minimize dust generation and accumulation. Wash thoroughly with soap and water after handling.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use in a well ventilated area.

Respiratory Protection: Use in a well ventilated area.

Hand Protection: Use gloves as a standard industrial handling procedure.

Eye Protection: Safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Powder

Color: Reddish brown

pH: Unknown

Boiling Point (°F): Not determined

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

Vapor Pressure: Not determined

Solubility: Miscible in water

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of handling, use and transportation.

Hazardous Polymerization: Will not occur

Conditions to Avoid: Keep away from heat, sparks and flame. Minimize dust generation and accumulation.

Materials to Avoid: Strong oxidizing agents. Strong reducing agents.

Hazardous Decomposition

Products:

Oxides of nitrogen. Iodine

11. TOXICOLOGICAL INFORMATION

Toxicity Test:

Acute Oral LD50 (mg/kg): 8,800 (rat)

Sensitization: 5,900 patients over 3 years= 0.03% incidence of sensitization (Humans).

Skin Irritation: Non-irritating to rabbit skin (10% solution)

Non irritating (Human RIPT 10% solution)

Mildly irritating to rabbit skin (as sold).

Eye Irritation: Non-irritating to rabbit eye. (10% aqueous solution)

12. ECOLOGICAL INFORMATION

Biodegradability: Not determined.

Aquatic Toxicity: No data is available on the adverse effects of this material on the environment.

13. DISPOSAL CONSIDERATIONS

Disposal of Waste Method: Follow all applicable community, national or regional regulations regarding waste management methods.

14. TRANSPORT INFORMATION

Land Transportation:

DOT (Non-Bulk):

DOT Shipping Name: NOT REGULATED

UN/NA Number: NONE

Hazard Class: NONE

DOT (Bulk):

DOT Shipping Name: NOT REGULATED

UN/NA Number: NONE

Air Transportation (IATA):

Proper Shipping Name: NOT REGULATED

UN Number: NONE

Hazard Classification: NONE

Sea Transportation (IMO):

Proper Shipping Name: NOT REGULATED

UN/ID Number: NONE

Hazard Classification: NONE

ADR:

Proper Shipping Name: NOT REGULATED

15. REGULATORY INFORMATION

Classification:

This product is not classified as hazardous under the terms of the EEC directive 67/548/EEC, UN regulations or the

European ADR/RID agreements.

TSCA Inventory List: This product and/or its components is listed on TSCA.

California Proposition 65

Carcinogens & Reproductive

Toxicity (CRT) List:

None of the components of this product is listed on CALPROP.

Canada DSL Inventory List: This product and/or its components is listed on DSL.

Canada NDSL Inventory List: This product and/or its components is not listed on NDSL.

EU EINECS List: This product and/or its components is not listed on or is exempt from EINECS.

ELINCS: This product and/or its components is not listed on ELINCS.

Germany VCI Assigned

Classification into Water**Endangering Classes (WGK) List:**

This product and/or its components is listed on or has been reviewed by WGK.

Japan Inventory of Existing &**New Chemical Substances****(ENCS):**

This product and/or its components is listed on ENCS.

Australia Inventory of Chemical**Substances (AICS) List:**

This product and/or its components is listed on AICS.

16. OTHER INFORMATION

This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.