



# 焦作中维特品药业股份有限公司

JIAOZUO ZHONGWEI SPECIAL PRODUCTS PHARMACEUTICAL CO.,LTD.

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## MATERIAL SAFETY DATA SHEET

### Povidone Iodine

Version 1.5 Date/revised: Sep.29,2013

#### 1. Product and company information

Product Name: Povidone Iodine

Manufacture:Jiaozuo Zhongwei Special Products Pharmaceutical Co.,Ltd.

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#### 2. Composition/information on ingredients

Chemical nature:Complex of polyvinylpyrrolidone with fine Iodine

Components: 2-Pyrrolidinone, 1-ethenyl-, homopolymer;Iodine

CAS No. 25655-41-8

Synonyms: Povidone Iodine,PVP Iodine

#### 3. Hazard identification

No particular hazards known.

#### 4. First aid measures

Eye Contact:Flush eyes with copious amounts of water for more while.

Skin Contact:Wash thoroughly with soap and water.

Ingestion:Do not induce vomiting,slowly dilute with enough water or milk and seek medical attention and never let an unconscious person eat or drink anything.

Inhalation:Keep patient calm and remove to fresh air and get medical attention if cough or other symptoms develop.

#### 5. Fire fighting measures

NFPA RATING:HEALTH:1;FLAMMABILITY:0;PHYSICAL HAZARD:0

Flash Point(C):Not determined.

Suitable extinguishing media: water spray,carbon dioxide,and all standard firefighting media.

Unusual fire/Explosion Hazards:Powdered material may form explosive dust air mixtures.

The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment: In case of fire, wear full protective clothing and self contained breathing apparatus.

HMIS RATING:HEALTH:1;FLAMMABILITY:0;PHYSICAL HAZARD:0

Further information: Dispose of fire debris and contaminated extinguishing water in accordance with local regulations.

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## **6. Accidental release measures**

Personal precautionary measures: Avoid dust formation and use appropriate protective equipment.

Environmental precautions: Do not discharge into drains/surfacewaters/  
groundwater.

Methods for cleaning up: Sweep/shovel up, contain spill with sand or other inert materials.

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## **7. Handling and storage**

Handling: Handle in accordance with good industrial hygiene and safety practice, avoid generating of breathing dust.

Protection against fire and explosion: Avoid dust formation. The product is capable of dust explosion. Take precautionary measures against static discharges.

Storage: Keep containers tightly closed when not in use. Stored in a cool, dry place, out of direct sunlight. Best control the temperature not exceeding 25°C.

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## **8. Exposure controls and 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.

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## **9. Physical and chemical properties**

Form: powder

Colour: Free flowing, brown powder

Odour: Not determined

Odour Threshold: Not determined.

pH: 1.5-5.0.

Specific Gravity: Not determined

Bulk Density: 0.55/cm<sup>3</sup>

Boiling Point: Not determined

Melting range/Freezing range: not determined

Vapor Pressure: Not determined

Solubility: Soluble in water.

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## **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.

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## **11. Toxicological information**

Information on: 2-Pyrrolidinone, 1-ethenyl-, homopolymer, iodine

LD50/oral/rat: 8800mg/kg

Sensitization:Human Ript:Non-sensitizing

Mutagenicity:Non-Mutagenic..

Skin irritation:Non irritating (Human RIPT)

Eye Irritation:Non irritating to eye.

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## **12. Ecological information**

Biodegradability:Not determined.

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

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## **13. Disposal considerations**

Disposal of Waste Method:Follow all applicable community,and Observe national and local legal requirements.

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## **14. Transport information**

Not classified as hazardous under transport regulations ( ADR/RID ADNR IMDG/GGVSeeICAO/IATA )

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## **15. Regulatory information**

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

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## **16. Other information**

Reference:USP/NF,Ph.Eur,BP,JP

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties.Recipients of our product must take responsibility for observing existing laws and regulations.