



焦作中维特品药业有限公司

JIAOZUO ZHONGWEI SPECIAL PRODUCTS PHARMACEUTICAL CO.,LTD.

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MATERIAL SAFETY DATA SHEET

Povidone K90

Version 1.5 Date/revised: Sep.29,2013

1. Product and company information

Product Name: Povidone K90

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

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2. Composition/information on ingredients

Chemical nature: Homopolymer of 1-Vinyl-2-pyrrolidone

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

CAS No. 9003-39-8

Synonyms: PVP (INCI-Name),Polyvinylpyrrolidone,Povidone, Povidonum

3. Hazard identification

No particular hazards knowm.

4. First aid measures

Eye Contact:Flush with copious amounts of water at least 15 mintutes.

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

Flash Point(C):Not determined.

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

Unusual fire/Explosion Hazards:Powdered material may from 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.

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

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,minimize dust generation and accumulation.

7. Handling and storage

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

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

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

8. Exposure controls and personal protection

Engineering Controls:Use in a well ventilated area

Respiratory protection:Use in a well ventilated are.

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

Eye Protection:Safety glasses.

9. Physical and chemical properties

Form: powder

Colour: White to off-white powder.

Odour: Slight intrinsic odor

pH:4.0-7.0(5% in Water Solution)

specific Gravity:Not determined

Bulk Density:0.4-0.6/cm³

Boiling Point:Not determined

Melting range/Freezing range: not determined

Vapor Pressure:Not determined

Solubility:Soluble in water and a variety of organic solvents.

10. Stability and reactivity

Chemical Stability:Stable under nomal conditions of handling,use an transportation.

Hazardous Polymerization:will not occur.

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

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

Hazardous decomposition products:Oxides of nitrogen.

11. Toxicological information

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

LD50/oral/rat: > 10,000 mg/kg

Sentitization:Human Ript:Non-sensitizing (as sold)

Mutagenicity:Non-Mutagenic.

Reproductive/Developmental:Various studies of the reproductive toxicity of PVP produced no evidence of embro toxicity of teratogenicity.

Skin irritation:Nn irritating (Human RIPT)

Eye Irritation:Non irritating to eye.

Further information:exposure up to 10% in the diet no signs of toxicity.

12. Ecological information

Biodegradability:readily biodegradability:not readily biodegradable (11% solution in 28 days) .

Bioaccumulation potential:Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.

13. Disposal considerations

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

14. Transport information

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

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.

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.