



Material Safety Data Sheet

for PolyFilter® PVPP 10

Date Written: June 10, 2013

Version No.:01

1 Identification of the Substance/Mixture and of the Company/Undertaking

Product identifiers

Product name: PolyFilter® PVPP 10

CAS-No.: 9003-39-8

Product Use Description: Pharmaceutical

Details of the supplier of the safety data sheet

Company: Boai NKY Pharmaceuticals Ltd.

Address: No.9 Zhongshan Road, Boai, Jiaozuo, Henan, China 454450

Tel.: +86 391 8696320

Fax: +86 391 8692950

Emergency telephone number

+86 391 8610683

2 Hazards Identification

EU Classification:

This preparation is not classified as dangerous according to European Union.

Hazard summary

Target Organs: None.

Primary Routes of Entry: Not applicable.

Acute Health Hazard: None known..

Chronic Health Hazard: None known.

Symptoms of Overexposure

Eye Contact: Not hazardous

Skin Contact: Not hazardous

Ingestion: Not hazardous

Inhalation: Not hazardous

3 Composition/Information on Ingredients

Components:	Weight%	CAS-No	ECC Number	Directive 67/548/EEC	REACH Classification 2006/1907/EC
2-pyrrolidinone; 1-ethenyl-; Homopolymer(>=95)	>= 95	9003-39-8	N/A	N/A	N/A

4 First Aid Measures

Eye Contact:

Flush with plenty of water. Get medical attention if irritation develops and persists.

Skin Contact:



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Wash off with soap and water.

Ingestion:

Do not induce vomiting. If conscious, give 2 glasses of water. Get immediate medical attention.

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 Firefighting Measures

Suitable Extinguishing Media:

All standard firefighting media.

Combustion/Explosion Hazards:

May form explosive dust-air mixture.

Special Protective Equipment For Fire-Fighters:

Wear self-contained breathing apparatus and protective suit.

6 Accidental Release Measures

Personal Precautions:

Wear suitable protective equipment. Avoid creating dust. Avoid breathing dust. Use with adequate ventilation.

Environmental Precautions:

None known.

Methods for Cleaning Up:

Contain spill with sand or other inert material.

7 Handling and Storage

Handling:

Avoid dust formation. Avoid dust accumulation in enclosed space. Avoid breathing dust.

Wash thoroughly after handling.

Storage:

Keep container tightly closed. Keep in a dry, cool place. Keep away from direct sunlight.

8 Exposure Controls/Personal Protection

Engineering Measures:

Use only in well-ventilated areas.

Respiratory Protection:

Use only in well-ventilated areas. In case of insufficient ventilation wear suitable respiratory equipment.

Hand Protection:

Wear protective gloves.



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Eye Protection:

Safety glasses.

Environmental Controls:

Not determined.

Exposure Limits:

Components:	German Recommended Exposure Limits (MAK):	UK Workplace Exposure Limits (WELs):	Belgium-Recommended Exposure Limits:	Italy-Recommended Exposure Limits:	France-Recommended Exposure Limits:
2-Pyrrolidinone; 1-ethenyl-; Homopolymer; 9003-39-8(>=95)	Not determined	Not determined	Not determined	Not determined	Not determined

Respirable dust	Belgium-Recommended Exposure Limits: 3mg/m ³ (respirable particles) 10mg/m ³ (inhalable particles)
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9 Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State:	Powder
Color:	Off White
pH:	5.0-8.0 (1% solution)
Boiling Point:	Not determined
Melting/Freezing point:	Not determined
Vapor Pressure:	Not determined
Solubility:	Insoluble in water

Other safety information

No data available

10 Stability and Reactivity

Chemical Stability:

Stable under normal conditions of handling, use and transportation.

Conditions to Avoid:

Keep away from heat/sparks/open flames/hot surfaces.

No smoking. Avoid dust formation. Avoid dust accumulation in enclosed space.

Materials to Avoid:

Strong oxidizing agents, Strong reducing agents.



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Hazardous decomposition products:

Nitrogen oxides (NO_x)

11 Toxicological Information

Toxicity Test:

Acute Oral Toxicity (LD50):

> 5000 mg/kg (Rat & Mice).

Eye Irritation:

No eye irritation (Rabbit) (PVP).

Skin Irritation:

No skin irritation (Human RIPT) (PVP).

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.

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 diets of dogs produced no signs of toxicity.

(tested on analogous PVP)

12 Ecological Information

Persistence and Degradability:

Not readily biodegradable (11% after 28 days)

Eco-toxicity:

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

Corophium Volutator: 10-day LC50 > 1,000mg/L.(PVP)

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



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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.

Bio-accumulative Potential:

Not determined.

Mobility:

Not determined.

13 Disposal Considerations

Waste Disposal Methods:

Follow all applicable community, national or regional regulations regarding waste management methods.

14 Transport Information

Land Transport:

DOT (Non-Bulk): Not regulated DOT.

DOT (Bulk):

Air Transport (IATA): Not regulated IATA.

Sea Transport (IMO): Not regulated IMDG.

ADR: Not regulated ADR.

Tunnel restriction code: None.

15 Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture

no data available

Chemical Safety Assessment

no data available

Inventories	Status
TSCA	Listed
DSL	Listed
NDSL	Not Listed
ENCS	Listed
AICS	Listed
EINECS	Listed
ELINCS	Not Listed
NZIOC	Listed
KECL	Listed
PICCS	Listed
IECSC	Listed



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California Proposition 65 Carcinogens & Reproductive Toxicity (CRT) List:

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

Germany VCI Assigned Classification into Water Endangering Classes (WGK) List:

Components:	Germany VCI Assigned Classification into Water Endangering Classes(WGK) list:
2-Pyrrolidinone; 1-ethenyl-; Homopolymer; 9003-39-8	Annex 3: 2082

16 Other Information

Further information

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. User should make their own investigations to determine the suitability of the information for their particular purposes.
