

# Jiangmen Proudly Eco-Friendly Products Co., Ltd

## Material Safety Data Sheet ( MSDS )

Up-date on: April 25, 2009

valid until: April 24, 2012

### Water Soluble Laundry bag

#### **Section 1 The Product & Manufacturer**

- 1、 Name of Product: Water Soluble PVA Laundry Bag
- 2、 Characteristic: Water soluble and fully biodegradable.
- 3、 Application: Water-soluble bags for infection control and medical disposal.
- 4、 Manufacturer:: Jiangmen Proudly Eco-friendly Products Co., Ltd.  
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#### **Section 2 Chemical Composition**

The product is composed of 75 per cent of polyvinyl alcohol (PVA / PVOH) and remaining 25 per cent of compound plasticizers and organic additive.

The PVA used is soluble resin whose polymerization degree is from 1700 to 1800 and hydrolyzation degree is from 86 % to 99 %.

The plasticizing agent is a compound system which is mainly composed of high boiling polyhydric alcohol.

All the substances are biodegradable.

Heavy and /or toxic substances are absent.

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### **Section 3 Information of Dangers**

There is no particular danger for people or for environmental during the storage and the handling of the product.

### **Section 4 First-aid Measures**

- 1、 In case of skin contact: harmless, no irritation.
- 2、 In case of eye contact: remove from contact, flush with clean water
- 3、 In case of accident swallowing: cause vomiting.

### **Section 5 Firefighting Measures**

- 1、 The product is not self-inflammable, but it is combustible.
- 2、 Recommended fire extinguisher: atomized water, foam, dry extinguisher and carbon dioxide.
- 3、 Means of protection: fireproof clothes and respirators.

### **Section 6 Accident Release Measures**

To collect with dry mechanical tools.

### **Section 7 Handling and Storage**

- 1、 Storage condition: to store the product in clean, nontoxic, damp-proof inner packaging. Aluminum foil is recommended as the inner packing material. Keep far from heat sources. Storage temperature: 7℃~30℃, humidity: 20%~70%.
- 2、 Precautions for storage place: natural ventilation.
- 3、 Precautions: avoid accident contact with water as the product is water soluble.

### **Section 8 Exposure Control / Individual Protection**

Respiratory protection: Not required

Ventilation: Not required, misting environment may require adequate ventilation.

Protection gloves: Not required.

Eye protection: Not required.

Other protective equipments: Not required.

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## **Section 9 Physical and Chemical Properties**

1、 Appearance: Form---solid, translucent

Color---natural / red / yellow / blue, etc.

Smell---A small amount of odor

2、 Physical properties

Fusion point: >150°C

Inflammability: non detectable

Decomposition temperature: >260°C

Self-ignition: >400°C

Explosion danger: no

PH value: 5-7 (4wt% water solution)

Specific weight: 1.1~1.3g / cm<sup>3</sup>

Moisture content: the moisture content varies according to the ambient temperature and humidity.

## **Section 10 Stability and Reactivity**

1、 The product is stable in normal environmental conditions.

2、 Thermal decomposition starts from 260°C;

3、 Avoid contact with flames and strong oxidizing agents.

## **Section 11 Toxicological Information**

Acute Oral Toxicity on rats: above 2,000 mg / kg.

Acute Oral Toxicity on fish: the fish did not show any poisoning symptoms.

Skin irritation: Not noticed

Note: With adequate use, serious damages for health are not noticed.

## **Section 12 Ecological Information**

1、 The product is biodegradable ,without any toxic residue.

2、 Eco-toxicological: until now, no records of damaging to deputation or treatment plants of biological sewage.

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### **Section 13 Disposal Consideration**

Please refer to local laws and regulations.

### **Section 14 Transport Information**

- 1、 Land expedition: Harmless goods.
- 2、 Carriage by sea: Harmless goods.
- 3、 Air freight: Harmless goods.

### **Section 15 Regulatory Information**

According to National Industrial Product Safety Standard of the People's Republic of China.

### **Section 16 Other Information**

While the information and recommendations set forth herein are believed to be accurate.

Jiangmen Proudly Eco-Friendly Products Co., Ltd assumes no liability nor makes any warranty as to completeness or accuracy. Final determination of stability of any material is sole responsibility of the users. All materials may present unknown hazards and should be used with caution.

If you have any questions, please contact your usual customer service at Jiangmen Proudly Eco-Friendly Products Co., Ltd

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