



Material Safety Data Sheet (MSDS)

Up-date on: April 13, 2018

Valid until April 13, 2021

Water Soluble Laundry Bag

Section 1

The Product:

- 1、 Name of the Product: Water Soluble PVA Laundry Bag / Packaging Bag / PVA film
- 2、 Characteristic : water soluble and biodegradable
- 3、 Application : water-soluble bags for infection control and medical disposal packaging for chemicals

Section 2

Chemical Composition / Information on

Ingredient	CAS No	Concentration
Polyvinyl alcohol	9002-89-5	> 78%
Glycerin	56-81-5	< 15%
Water	-	< 7%

All the substances are biodegradable. Heavy and /or toxic substances are

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: Keep bags sealed within their protective overwrap until they are need for use. Once a bag is removed from the pack, keep the remaining bags within overwrap material. This gives some measure of protection against accident exposure to moisture. Keep the package at sealed condition at any time. Store at dry and cool places.
- 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 equipment: Not required.

Section 9

Physical and Chemical Properties

- 1、 Appearance: Form---solid, translucent Color---natura/red/yellow/blue, etc. Smell---A small amount of odor
- 2、 Physical properties Fusion point: >150C Inflammability: none detectable Decomposition temperature: >200C Self-ignition: >400C Explosion danger: no PH value: 5-7 (4wt%water solution) Specific weight: 1.1~1.3g/cm³ 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 200C;
- 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.

Section 13

Disposal Consideration Please refers 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

Section 16

Other Information

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