

# Product safety data sheet

## Material safety data sheet

Last Update at: 2020-4-20

### 1. Products and manufacturers

Product Name - Common Biaxially Stretch Polypropylene Film (Class A)

Biaxially Oriented Polypropylene Film for General Use (Class A)

Code - BOPP

Classification - food packaging materials

2, Product implementation standard number: GB/T 10003-2008 GB 4806.7-2016

### 3. Hazard category - non-hazardous chemicals

Itself non-toxic, odorless, tasteless. Pyrolysis products such as acids and aldehydes can stimulate eyes and upper respiratory tract

### 4. Composition

Polypropylene  $\geq 99.9\%$  (CAS No. : 9003-07-0) Molecular formula:  $[C_3H_6]_n$

Silica  $\leq 0.1\%$  (CAS No. : 7631-86-9) Molecular formula:  $SiO_2$

### 5. Resin name

A polymer of propylene with one or more of the following monomers, in which propylene is the largest mass fraction: maleic anhydride, ethylene, 1-butene, other  $\alpha =$  olefin and may contain 5-ethylene-2-norbornene as a modified monomer

### 6. First aid measures

General Precautions

Ingestion - a large number of accidental ingestion patients seek medical attention.

### 7, fire measures

This product is flammable, far from open fire, combustion products: carbon monoxide, carbon dioxide. It begins to melt at about 163°C.

Extinguishing agent - dry powder, foam, carbon dioxide

Fire emergency - quickly isolate combustible material from the source of the fire, extinguish the flames upwind with extinguishing agent, and protect the surrounding area by cooling with water at a safe distance.

### 8. Leakage emergency measures

There is no

### 9. Handling and storage

Transportation should be carefully handled to prevent mechanical collision and sun and rain. Store in a dry and ventilated warehouse, away from direct sunlight, more than 2m away from the heat source, away from flammable materials and open fire. The best use period from the production date within half a year.

### 10. Contact control and personal protection

When using this product to wear gloves, the operator needs to tear the material and use the cutting tool. The most common injury in the melting process of this product is thermal burn, so it is necessary to avoid contact with hot or melted products.

### 11. Physical and chemical properties

Appearance and Shape Transparent plastic film.

Melting point 163 °C to 167 °C

Density relative density (water =1) 0.90-0.91

Solubility - Insoluble in water

## 12. Stability and reactivity

Stable and nonreactive under normal conditions

Prohibited compounds - strong oxidant, strong acid

Conditions to avoid contact - high temperature, heat source, fire source

Polymerization hazard - none

Decomposition products - normal use, no toxic and harmful substances produced.

## 13. Toxicity data

There is no

## 14. Ecological data

Ecotoxicity - No toxicity

Biodegradable - Not applicable

Non-biodegradable - degradable for recycling

Density or accumulation of organisms - no case of accumulation in organisms has been reported

Other harmful effects - none

## 15. Disposal

Nature of waste - non-hazardous waste

Disposal - Recycled or reused if possible. Recyclable waste.

- incinerate it in a suitable incinerator or use landfills as required by local environmental protection authorities.

- Operators should enhance personal protection when handling waste, see Section 10, Personal Protection.

## 16. Transportation information

Dangerous Goods Number - Not applicable

UN NO- No data record

Packing standard - no data recorded

Packing method - each roll of film should be protected with foam pads at both ends and sealed with plastic plugs. **Pallet or loose packing is generally used. The specific packing requirements shall be agreed upon by both parties.**

Transportation Precautions - The packing should be complete and the loading should be safe. It is strictly prohibited to be mixed with oxidizer, acid and alkali, paint and other liquid and powder chemicals. The transport vehicles and vessels must be thoroughly cleaned and disinfected, otherwise other articles may not be transported. Prevent exposure to sunlight, rain and high temperature during transportation. Stay away from fire and heat during stopover. It is forbidden to use mechanical equipment and tools that may easily produce sparks to load and unload. When shipping, the fitting position should be away from the bedroom, kitchen, and separated from the engine room, power supply, fire source and other parts. It is forbidden to slip off in railway transport. Not subject to dangerous substances control.

## 17. Regulatory information

ISO 11014-2009 Safety Data Sheet for Chemicals Contents and Sequence Section

Regulation (EC) No 1272/2008 Classification, Labelling and Packaging of Substances and Mixtures.

18, effective shelf life: avoid direct sunlight, ventilation, room temperature conditions for 6 months.

## 19. Other information

Disclaimer This information is for reference only and is not a warranty. The user should evaluate the use of the product and the degree of exposure to establish the correct operating procedures before using the product. In addition, we expressly state that we are not liable for any direct,

incidental or indirect damages caused by any person's use of the Product Safety Data Sheet.