

## Safety Data Sheet

# Epe foam liner

Version : V1.0.0.1


Creation Date : 2020/06/15

Revision Date : 2020/06/15

**\*Prepared according to UN GHS (the 5th revised edition)**

## 1 Identification of the chemical and supplier

### Product identifier

Product Name	Epe foam liner
CAS No.	9002-88-4
EC No.	200-815-3
Molecular Formula	(C <sub>2</sub> H <sub>4</sub> ) <sub>n</sub>
Product photo	

### Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Used for Sealing of packing.
Uses advised against	Please consult manufacturer.

### Details of the supplier of the Safety Data Sheet

Name of the company	Yantai Yongsheng Sealing Technology Co., Ltd
Address of the company	Xiejiazhuang Industry Park, High-Tech Zone, Yantai City, Shandong Province, China
Post code	264670
Telephone number	+86 ( 0 ) 535-6752211
Fax number	+86 ( 0 ) 535-6756269
E-mail address	sales@winshine-seals.com

### Emergency phone number

Emergency phone number	+86 ( 0 ) 535 -6753631
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## 2 Hazards identification

### Hazard classification according to GHS

Hazard classification according to GHS	Not applicable
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### Label elements

Hazard pictograms	Not applicable
Signal word	<b>Not applicable</b>

**Hazard statements**

<b>Hazard statements</b>	Not applicable
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**Precautionary statements**

## ◆ Prevention

<b>Prevention</b>	Not applicable
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## ◆ Response

<b>Response</b>	Not applicable
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## ◆ Storage

<b>Storage</b>	Not applicable
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## ◆ Disposal

<b>Disposal</b>	Not applicable
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**Hazard description**

## ◆ Physical and chemical hazards

	Solid, insoluble in water, floats on water, combustible, vapors/gas heavier than air, toxic smoke/fumes in a fire.
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## ◆ Health hazards

<b>Inhaled</b>	The product is not thought to produce either adverse health effects or irritation of the respiratory tract following discomfort.
<b>Ingestion</b>	Accidental ingestion of the product may be harmful to the health of the individual.
<b>Skin Contact</b>	No harm.
<b>Eye</b>	Not applicable .But this product may cause temporary discomfort following direct contact with the eye.

## ◆ Environmental hazards

	Please refer to 12th chapter of SDS.
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**3 Composition/information on ingredients**

<b>Component</b>	<b>Cas No.</b>	<b>EC No.</b>	<b>Concentration (weight percent, %)</b>
Poly(ethylene)	9002-88-4	200-815-3	100

**4 First aid measures****Description of first aid measures**

<b>General advice</b>	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if fell uncomfortable.
<b>Skin contact</b>	Wash off with plenty of water for at least 15 minutes and consult a physician if fell uncomfortable.

<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
<b>Inhalation</b>	Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.
<b>Protecting of first-aiders</b>	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

### **| Most important symptoms and effects, both acute and delayed**

1	Please see section 11.
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### **| Indication of any immediate medical attention and special treatment needed**

1	Treat symptomatically.
2	Symptoms may be delayed.

## **5 Firefighting measures**

### **| Extinguishing media**

<b>Suitable extinguishing media</b>	Dry chemical, carbon dioxide, water spray, alcohol-resistant foam.
<b>Unsuitable extinguishing media</b>	Do not use a solid water stream as it may scatter or spread fire.

### **| Specific hazards arising from the substance or mixture**

1	Containers may explode when heated.
2	May expansion or decompose explosively when heated or involved in fire.

### **| Advice for firefighters**

1	As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
2	Fight fire from a safe distance, with adequate cover.
3	Prevent fire extinguishing water from contaminating surface water or the ground water system.

## **6 Accidental release measures**

### **| Personal precautions, protective equipment and emergency procedures**

1	Ensure adequate ventilation. Remove all sources of ignition.
2	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
3	Use personal protective equipment. Avoid breathing vapours, mist, gas or dust.

### **| Environmental precautions**

1	Prevent further leakage or spillage if safe to do so.
2	Discharge into the environment must be avoided.

### **| Methods and materials for containment and cleaning up**

1	Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
2	Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
3	Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

## **7 Handling and storage**

### Precautions for handling

1	Handling is performed in a well ventilated place.
2	Keep away from heat/sparks/open flames/ hot surfaces.
3	Take precautionary measures against static discharges.

### Precautions for storage

1	Keep containers tightly closed .
2	Keep containers in a dry, cool and well-ventilated place.
3	Keep away from heat/sparks/open flames/ hot surfaces.
4	Storage temperature shall not be higher than 50 °C.

## 8 Exposure controls/personal protection

### Control parameters

#### ◆ Occupational Exposure limit values

<b>Occupational Exposure limit values</b>	No information available
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#### ◆ Biological limit values

<b>Biological limit values</b>	No information available
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#### ◆ Monitoring methods

1	EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
2	GBZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air( Series standard ).

### Engineering controls

1	Ensure adequate ventilation, especially in confined areas.
2	Ensure that eyewash stations and safety showers are close to the workstation location.
3	Use explosion-proof electrical/ventilating/lighting/equipment.

### Personal protection equipment

<b>General requirement</b>	
<b>Eye protection</b>	Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US).
<b>Hand protection</b>	Wear protective gloves ( such as butyl rubber ) , passing the tests according to EN 374(EU),US F739 or AS/NZS 2161.1 standard.
<b>Respiratory protection</b>	If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.
<b>Skin and body protection</b>	Wear fire/flame resistant/retardant clothing and antistatic boots.

## 9 Physical and chemical properties

### Physical and chemical properties

<b>Appearance</b>	White round solid
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<b>Odor</b>	No information available
<b>Odor threshold</b>	No information available
<b>pH</b>	Not soluble in water, no pH value
<b>Melting point/freezing point(°C)</b>	130-145
<b>Initial boiling point and boiling range(°C)</b>	>35
<b>Flash point(Closed cup, °C)</b>	Not applicable
<b>Evaporation rate</b>	Not applicable
<b>Flammability(solid, gas)</b>	No information available
<b>Upper/lower explosive limits[%(v/v)]</b>	Upper limit : No information available ; Lower limit : No information available
<b>Vapor pressure(kPa)</b>	Not applicable
<b>Vapor density(Air = 1)</b>	Not applicable
<b>Relative density(Water=1)</b>	0.92
<b>Solubility(mg/L)</b>	Insoluble in water
<b>n-octanol/water partition coefficient</b>	No information available
<b>Auto-ignition temperature(°C)</b>	330~410
<b>Decomposition temperature(°C)</b>	300
<b>Viscosity(mm<sup>2</sup>/s)</b>	Not applicable

## 10 Stability and reactivity

### | Stability and reactivity

<b>Reactivity</b>	Contact with incompatible substances can cause decomposition or other chemical reactions.
<b>Chemical stability</b>	Stable under proper operation and storage conditions.
<b>Possibility of hazardous reactions</b>	No information available
<b>Conditions to avoid</b>	Incompatible materials, heat, flame and spark.
<b>Incompatible materials</b>	Strong oxidizing agent.
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11 Toxicological information

### | Acute toxicity

<b>Acute toxicity</b>	No information available
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### | Carcinogenicity

ID	Cas No.	Component	IARC	NTP
1	9002-88-4	Poly(ethylene)	Category 3	Not Listed

### | Others

<b>Poly(ethylene)(Component)</b>	
<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met.
<b>Serious eye damage/irritation</b>	Based on available data, the classification criteria are not met.
<b>Skin sensitization</b>	Based on available data, the classification criteria are not met.
<b>Respiratory sensitization</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>STOT-single exposure</b>	Based on available data, the classification criteria are not met.
<b>STOT-repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.

## 12 Ecological information

### | Acute aquatic toxicity

<b>Acute aquatic toxicity</b>	No information available
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### | Chronic aquatic toxicity

<b>Chronic aquatic toxicity</b>	No information available
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### | Others

<b>Persistence and degradability</b>	LOW
<b>Bioaccumulative potential</b>	LOW (LogKOW = 1.2658)
<b>Mobility in soil</b>	LOW (KOC = 14.3)
<b>Results of PBT and vPvB assessment</b>	Poly(ethylene) does not meet the criteria for PBT and vPvB according to Regulation (EC) No 1907/2006, annex XIII.

## 13 Disposal considerations

### | Disposal considerations

<b>Waste chemicals</b>	If medical advice is needed, have product container or label at hand.
<b>Contaminated packaging</b>	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
<b>Disposal recommendations</b>	Refer to section 13.1 and 13.2.

## 14 Transport information

### | Label

<b>Label</b>	Not applicable
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### | IMDG-CODE

<b>IMDG-CODE</b>	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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**ICAO/IATA-DG**

<b>ICAO/IATA-DG</b>	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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**UN-ADR**

<b>UN-ADR</b>	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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**15** Regulatory information**International chemical inventory**

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS
Poly(ethylene)	<b>Not Listed</b>	<b>Listed</b>	<b>Listed</b>	<b>Not Listed</b>	<b>Listed</b>	<b>Listed</b>	<b>Listed</b>	<b>Listed</b>

【EINECS】 European Inventory of Existing Commercial Chemical Substances

【TSCA】 United States Toxic Substances Control Act Inventory

【DSL】 Canadian Domestic Substances List

【IECSC】 China Inventory of Existing Chemical Substances

【NZIoC】 New Zealand Inventory of Chemicals

【PICCS】 Philippines Inventory of Chemicals and Chemical Substances

【KECI】 Existing and Evaluated Chemical Substances

【AICS】 Australia Inventory of Chemical Substances

**16** Others**Information on revision**

<b>Creation Date</b>	2020/06/15
<b>Revision Date</b>	2020/06/15
<b>Reason for revision</b>	-

**Reference**

[1]IPCS:The International Chemical Safety Cards (ICSC) ,website: <http://www.ilo.org/dyn/icsc/showcard.home>.

[2]IARC , website: <http://www.iarc.fr/>.

[3]OECD: The Global Portal to Information on Chemical Substances, website:

[http://www.echemportal.org/echemportal/index?pageID=0&request\\_locale=en](http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en).

[4]CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.

[5]NLM:ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.

[6]EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.

[7]U.S. Department of Transportation:ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.

[8]Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

**Abbreviations and acronyms**

**CAS** –Chemical Abstracts Service

**CMR** - Carcinogens, mutagens or substances toxic to reproduction

**PC-STEL**- Short term exposure limit

**PC-TWA** - Time Weighted Average

**DNEL** - Derived No Effect Level

**IARC** - International Agency for Research on Cancer

**RPE** - Respiratory Protective Equipment

**PNEC** –Predicted No Effect Concentration

**LC<sub>50</sub>** - Lethal Concentration 50%

**LD<sub>50</sub>** - Lethal Dose 50%

**NOEC** -No Observed Effect Concentration

**EC<sub>50</sub>** - Effective Concentration 50%

**PBT** - Persistent, Bioaccumulative, Toxic

**POW** - Partition coefficient Octanol:Water

**BCF** - Bioconcentration factor (BCF)

**vPvB** - very Persistent, very Bioaccumulative

**IMDG**-International Maritime Dangerous Goods

**ICAO/IATA**-International Civil Aviation Organization/International Air Transportation Association

**UN**-The United Nations

**ACGIH**-American Conference of Governmental Industrial Hygienists

**NFPA**-National Fire Protection Association

**OECD**-Organization for Economic Co-operation and Development

## **| Disclaimer**

This Safety Data Sheet (SDS) was prepared according to UN GHS (the 5th revised edition). The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user' s reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.