



# 北京东科联合技术有限公司

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## Material Safety Data Sheet

### 1) Identification of the substance/preparation and the company:

Name of goods: Polyethylene Wax  
MELTING POINT: 95±5 DEG. C,  
OIL CONTENT: 0.8 PCT MAX

### 2) Composition/information on ingredients:

Ingredients	CAS	%Weight in product
Polyethylene oligomer	9002-88-4	25kg

### 3) Hazard Identification:

#### Emergency Overview

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Hazard identification:		none
Certical hazards to man and the environment	solid	none
	liquid	May cause burns
Short-term contact	solid	No hazards
	liquid	May cause burns
Eye contact	solid	No hazards
	liquid	The hot fluid may cause damage to the eyes
Skin contact	powder	May be irritating
	solid	No hazards
inhalation	liquid	The hot fluid may cause burns
	solid	No hazards
Ingestion	Liquid )	Inhalation of Polyethylene Wax vapours or
	Powder )	powder-particles may cause respiratory tract irritation
Ingestion	solid	No hazards, see point 11 toxicology
	liquid	Because of the temperature may cause burns



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on contact with mouth/oesophagus/stomach

#### 4) First Aid measures:

Immediate measures:	solid	none
	liquid	Same action as in case of burn
Eye contact	liquid	Flush eyes with cold water. Seek medical attention
Skin contact	liquid	Immerse the area in water to assist cooling, apply sterile cover. Seek medical attention.
inhalation		Not applicable
Ingestion		May cause damage only in liquid (hot) state. Same action as in case of burns.
Advice to physician		See above

#### 5) Fire-fighting measures:

Suitable extinguishing media	CO <sub>2</sub> , foam, dry chemical powder, sand
Extinguishing media which must not be used for safety reasons	Water
Special exposure hazards arising from the substance, its combustion products, resulting gases	Incomplete combustion produces fumes, flue gases, carbon monoxide
Special protective equipment	Breathing protection independent of the ambient air
Additional information	Apply cold water in order to cool containers and environment exposed to danger.

#### Special Information:

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.

#### 6) Accidental release measures:

Personal precautions	solid	Not applicable
	liquid	Avoid contact with hot liquid
Environmental precautions	Solid )	Keep away from drains and surface water



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Method of cleaning up	Liquid )	
	solid	Not applicable
Additional Instructions	liquid	Contain the product, allow to cool and remove mechanically
	solid	Not applicable
	liquid	Inform authorities in the case of leakage of large amounts

## 7) Handling and Storage:

### Handling

Instructions for safe handling	solid	There are no special regulations Usual handling of solid transport goods
	liquid	Usual precautions for handling fluids. Consider common hygiene measures for handling chemical substances
Instructions for prevention of fire and explosion	solid	None
	liquid	Prevent aerosol generation during pumping
	powder	Danger (of explosion) adopt measures to prevent dust-explosion; (see point 9)

### Storage

Requirements for storage rooms and conditions	Slabs/ )	Store under cool, dry and light protected conditions
	powder/ ) pastilles)	
Information on storage concerning incompatible substances	Liquid	Storage tanks have to be installed and managed according to official regulations Liquid material is not allowed to contain water at temperatures above 100 °C (delay in boiling)
	Additional information	See point 10=stability and reactivity

## 8) Exposure controls/ Personal protection:

### Exposure limits

Ensure good ventilations when processing at elevated temperatures.

### Personal protection





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Respiratory protection	solid	none
	liquid	Works in well ventilated rooms
Hand protection	solid	None
	liquid	Wear rubber or leather gloves
Eye protection	solid	None
	liquid	Wear safety goggles
Body protection	solid	None
	liquid	Wear protective clothing

## 9) Physical Properties:

Physical state:	White waxy solid. Above the melting point, liquid.	
Color (Saybolt) Min	+25	ASTM D156
Odour	1.5	
Melting point:	105-115°C	ASTM D87
Oil content Wt%	0~0.2	ASTM D721
Needle Penetration 1/10mm (25°C)	2Max	ASTM D1321
FDA		
Mechanical Impurity and Water	Negative	Observation
Acid and Alkali with Water solubility	Negative	SH/T0407

## 10) Stability and reactivity:

Condition to avoid	liquid	High temperature, open flames, other sources
Material to avoid	Solid/ ) Liquid )	Avoid contact with strong oxidizing agents
Hazardous decomposition		Carbon dioxide, carbon monoxide

## 11) Toxicological information:

### Toxicological information

Summary There is no evidence for toxic effects to experimental animal of Polyethylene Wax

### Carcinogenicity

no evidence  
---NTP Carcinogen---

### Ingredient

Polyethylene oligomer9002-88-4



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Known	No
Anticipated	No
IARC Category	None

## 12) Ecological Information:

Environmental Fate:	No information found.
Environmental Toxicity:	No information found.

## 13) Disposal considerations:

Where possible, arrange for product to be recycled. Dispose of via an authorized/licensed waste disposal contractor in accordance with local regulations. Do not dispose of near ponds, ditches, down drains or onto soil. Dispose of product and container carefully and responsibly.

## 14) Transport Information:

Not classified as hazardous for transport in solid form. Not limited in the IATA airfreight specification, not belongs to hazardous articles.

## 15) Regulatory Information:

Not classified as hazardous for supply.

## 16) Other Information:

### Disclaimer:

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