



# Poly 500

## Safety Data Sheet

Date of issue: February 14, 2019

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Polyethylene sheet

Trade name : Poly 500

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

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial  
For professional use only

Use of the substance/mixture : Separation Sheet and protection.

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer/Supplier

Hydrotech Membrane Corporation

10951 Parkway

H1J 1S1 Anjou (Québec) - Canada

T 1-514-353-6000

[info@hydrotechmembrane.ca](mailto:info@hydrotechmembrane.ca) - [www.hydrotechmembrane.ca](http://www.hydrotechmembrane.ca)

#### 1.4. Emergency telephone number

Emergency number : Professional Emergency Resource Services (PERS) Domestic/Canada: 1-800-633-8253  
International : 1-801-629-0667  
POISON CONTROL CENTER (QC 24 hours): 1-800-463-5060

### SECTION 2: Hazards identification

#### GHS Classification

Hazards	Category
Not classified	Not applicable

#### Label elements

No Pictogram Required.

**Signal Word** Not applicable

**Hazard Statements** This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard (29CFR 1910.1200)

#### Precautionary statements

Handle in accordance with good industrial hygiene and safety practice

### SECTION 3: Composition/information on ingredients

Components	CAS No	Percent %
Polyethylene	9002-88-4	97 - 99.75

### SECTION 4: First aid measures

#### Skin

Wash off immediately with soap and plenty of water. Cool skin rapidly with cold water after contact with molten polymers. Do not peel solidified product off the skin. Obtain medical attention.

#### Eyes

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

#### Inhalation

Move to fresh air. If symptoms persist, call a physician.

#### Ingestion

Get medical attention if symptoms occur.

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### SECTION 5: Fire-fighting measures

NFPA: Health: 0 Flammability: 0 Instability: 0

#### Suitable extinguishing media

Water spray, Dry chemical, Carbon dioxide (CO<sub>2</sub>), Foam

#### Extinguishing media which must not be used for safety reasons

Do not use a solid water stream as it may scatter and spread fire.

#### Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases

None known

#### Special protective equipment for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### Other Information

Potential dust explosion hazard keep people away from and upwind of fire.

### SECTION 6: Accidental release measures

#### Personal precautions

Avoid dust formation. Avoid contact with the skin and the eyes. For personal protection see section 8.

#### Environmental precautions

Do not flush into the surface water or sanitary sewer system.

#### Methods for cleaning up

Sweep up and shovel into suitable containers for disposal. Dispose of in accordance with local regulations. Use mechanical handling equipment.

### SECTION 7: Handling and storage

#### Advice on safe handling

Do not handle hot or molten material without appropriate protective equipment. Do not exceed recommended process temperatures to minimize release of decomposition products. Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated\*\*\*

#### Protection - fire and explosion:

Avoid dust formation. Dust can form an explosive mixture in air.

#### Material storage

Keep in a cool, dry place. To maintain product quality, do not store in heat or direct sunlight.

#### Incompatible products

Strong oxidizing agents.

### SECTION 8: Exposure controls/personal protection

#### OSHA Exposure Limits

Components	TWA
Respirable Dust	5 mg/m <sup>3</sup>
Total Dust	15 mg/m <sup>3</sup>

#### ACGIH Exposure Limits

Components	TWA
Respirable Dust	3 mg/m <sup>3</sup>
Total Dust	10 mg/m <sup>3</sup>

#### Mexico National Exposure Limits

No exposure limits established

#### Exposure controls

##### Engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

##### Protective equipment

A safety shower and eyebath should be readily available.

#### General advice

Do not breathe dust. Avoid contact with skin and eyes. Do not handle hot or molten material without appropriate protective equipment.

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### Skin protection:

When thermal or melt processing, wear long pants, long sleeves, well insulated gloves, and face shield when there is a chance of contact.

### Eye/face protection:

Safety glasses with side-shields.

## SECTION 9: Physical and chemical properties

### Appearance

<b>Form</b>	Solid in various forms
<b>Colour</b>	Clear , to, white
<b>Odour</b>	Odourless
<b>Flash point</b>	Not applicable
<b>Autoignition Temperature</b>	> 330 °C
<b>Method</b>	Estimated
<b>Decomposition Temperature</b>	> 300 °C
<b>Specific Gravity</b>	0.91 - 0.95
<b>Water solubility</b>	Insoluble in water

## SECTION 10: Stability and reactivity

### Chemical stability

Stable under normal conditions of handling, use and transportation.

### Conditions to avoid

Hazardous decomposition products may be produced when the recommended processing temperatures or times are exceeded. Avoid temperatures above 300°C

### Incompatible Materials

Strong oxidizing agents

### Hazardous Combustion or Decomposition Products:

Carbon oxides

### Possibility of hazardous reactions

Hazardous polymerization does not occur.

## SECTION 11: Toxicological information

### Potential health effects

**Routes of exposure** Skin, Eyes

### Immediate effects

**Skin** Hot or molten material has the potential to cause thermal burns.

**Eyes** Particulates may cause mechanical irritation.

**Inhalation** Dust irritating to the respiratory tract.

**Ingestion** Essentially nontoxic based on components.

Toxicological data are not available. Observe the usual hygienic measures for handling chemicals.

## SECTION 12: Ecological information

Ecotoxicological data are not available. Do not discharge product unmonitored into the environment

## SECTION 13: Disposal considerations

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### Disposal considerations

Dispose of spilled material in accordance with state and local regulations for waste that is non-hazardous by federal definition. Note that this information applies to the material as manufactured; processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

## SECTION 14: Transport information

**US Department of Transportation** Not regulated

**TDG** Not regulated

**ICAO/IATA** Not restricted

**IMDG** Not regulated

## SECTION 15: Regulatory information

### US State Regulations

Chemicals associated with the product which is subject to the state right-to-know regulations are listed along with the applicable state(s): none.

### U.S. FEDERAL REGULATIONS

#### TSCA Inventory:

Listed

#### Environmental Regulations:

##### SARA 311:

<b>Acute health:</b>	No
<b>Chronic health:</b>	No
<b>Fire:</b>	No
<b>Sudden release of pressure:</b>	No
<b>Reactive:</b>	No

### INTERNATIONAL REGULATIONS

#### International Inventories

Listed on the chemical inventories of the following countries or qualifies for an exemption:

Australia	(AICS)
Canada	(DSL)
China	(IECSC)
Japan	(ENCS)
Japan	(ISHL)
Korea	(KECI)
New Zealand	(NZIoC)
Philippines	(PICCS)
Europe	(EINECS)
United States	(TSCA)

## SECTION 16: Other information

<b>NFPA:</b>	<b>Health:</b> 0	<b>Flammability:</b> 0	<b>Instability:</b> 0
<b>HMIS:</b>	<b>Health:</b> 0	<b>Flammability:</b> 0	<b>Physical Hazard:</b> 0

*This information is based on our current knowledge and is intended to describe the product for health, safety and environmental purposes. It should not be interpreted as guaranteeing any specific property of the product.*