



950 Danby Rd. Suite 198 Ithaca, NY 14850 USA  
Phone: 607-330-2321 Fax: 607-330-4813

---

## **MATERIAL SAFETY DATA SHEET**

Effective Date: 10/22/2007  
Revision Date: 10/3/2008  
Print Date: 5/18/2010

Page 1 of 6

### **SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Material Trade Name:**

**Product/Chemical Name: Poly (propylene carbonate)**

**Chemical Family: Aliphatic Polycarbonate**

**Manufacturer:**

**NOVOMER**

**950 Danby Rd., Suite 198**

**Ithaca, NY 14850**

**Emergency telephone number: 800-424-9300 CHEMTREC (USA)**  
**24 hours/Day: 7 Days/Week**

### **SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredient (s)	CAS Number	%
Poly (propylene carbonate)	25511-85-7	94+ %
Propylene carbonate	108-32-7	< 5.0 %
Acetone	67-64-1	< 1.0 %

### **SECTION 3 - HAZARDS IDENTIFICATION**

#### **EMERGENCY OVERVIEW**

**Appearance:** Clear to slightly tan solid

**Odor:** No Odor

- Avoid contact with eyes, skin or clothing. Avoid breathing dust or vapor from the solid. Do not swallow. Wear safety glasses and latex gloves.
- Wash thoroughly after handling. Use with adequate ventilation. May produce hazardous gases under fire conditions.
- During emergencies, wear equipment to protect eyes, skin and respiratory tract. Prevent material and run-off from entering sewer or waterways. Consult the Material Safety Data Sheet.

## **Potential Health Effects**

### **Skin**

Contact may cause mild irritation.

### **Eyes**

Polymer dust is mildly irritating to the eyes. Treat as a nuisance dust and avoid eye contact.

### **Inhalation**

Polymer dust causes discomfort if inhaled. Treat as a nuisance dust and avoid inhalation.

### **Ingestion**

Ingestion of product may cause nausea and vomiting.

### **Conditions aggravated by exposure**

No human or animal health effects data are known to exist. However, available toxicity information on polymers of molecular weight 1000 or greater suggests they have low toxicity.

May contain up to 1.0% hexane and/or propyl acetate. Vapors may cause eye irritation and dizziness.

## **SECTION 4 - FIRST AID MEASURES**

### **Eye Contact**

Immediately flush with large quantities of water for 15 minutes while holding back eyelids occasionally. Call a physician.

### **Skin Contact**

In case of skin contact, wash with soap and water.

### **Ingestion**

In case of ingestion have victim drink large quantities of water and induce vomiting if conscious. Call a physician.

### **Inhalation**

Immediately remove victim to fresh air. If breathing becomes difficult, call a physician.

## **SECTION 5 - FIRE FIGHTING MEASURES**

### **Flammable Properties**

**Flash Point:** NA

**Auto ignition Temperature:** N/A

### **Explosion Limits**

**Lower:** N/A

**Upper:** N/A

**Extinguishing Media**

Poly(propylene carbonate) is a combustible solid. Choose extinguishing media suitable for the material, such as water spray, dry chemical, alcohol foam or carbon dioxide.

**Unsuitable Extinguishing Media**

No restrictions on media based on knowledge of this material.

**Special Fire Fighting Instructions**

None required

**SECTION 6 - ACCIDENTAL RELEASE MEASURES****Spills, Leak and Disposal**

Personal precautions: Wear appropriate personal protection during cleanup, such as impervious gloves, boots and coveralls.

Observe governmental spill and water-quality regulations.

Contain spills and place in an approved D.O.T. container and seal. Wash all contaminated clothing before reuse. Ventilate area and clean spill site after material clean up is complete.

**SECTION 7 - HANDLING / STORAGE****Handling**

Avoid contact with eyes, skin or clothing. Do not swallow. Wear chemical safety goggles and gloves. Wash thoroughly after handling. General ventilation during normal use is recommended.

**Storage**

Store in a cool and dry area.

**Incompatibility**

Incompatible with strong oxidizing agents

Temperature above 180 °C

**SECTION 8 - EXPOSURE CONTROL AND PERSONAL PROTECTION**

**Respiratory protection:** Under normal handling conditions a respirator is not required. If dusty conditions occur wear appropriate respiratory protection.

**Eye/Face Protection:** Safety glasses with side-shields. Eye wash fountain and emergency shower should be provided in work area.

**Hand protection:** Protective gloves.

**Skin and body protection:** Long sleeved clothing.

**Additional Protective Measures:** Safety shoes.

**General Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Engineering measures:** Provide appropriate exhaust ventilation at machinery.

**Exposure limit(s):** There are no known hazardous components above regulatory thresholds in this product.

## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Clear to slight tan solid  
**Odor:** No odor  
**Boiling Point:** Decomposes above 180°C (356 °F)  
**Melting Point:** NA  
**Specific Gravity:** 1.3 (water = 1.0)  
**% Volatile by Vol.:** Less than 5 weight %  
**Vapor Pressure:** NA  
**Solubility in Water:** Insoluble  
**pH Value:** NA

## **SECTION 10 - STABILITY AND REACTIVITY**

**Stability:** Stable

**Hazardous Polymerization:** Does not occur.

**Hazardous Decomposition Products:** When burned Poly (propylene carbonate) may form toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes, acids, ketones and carbonates. Other hazardous products may occur under conditions of decomposition or combustion, and/or result from interaction with other materials and/or environment of decomposition or combustion.

**Materials and Conditions to Avoid:** Keep away from excess heat and temperatures above 180°C.

## **SECTION 11 - TOXICOLOGICAL INFORMATION**

**Product Information**

**LD50 (oral, rat):** No Data Available.

**Acute Overexposure:** No data is available on the health effects of acute exposure to this product.

**Chronic Overexposure:** No data is available on the health effects of chronic exposure to this product.

**Ingredient information:** No other information is available.

**SECTION 12 - ECOLOGICAL INFORMATION**

**Environmental Toxicity:** No Data Available.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**Hazardous Waste Characteristic:** None

**Recommendation:** Dispose of contaminated product, empty containers and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures. Discharge of processing effluent to the sewer may require a permit.

**SECTION 14 - TRANSPORTATION INFORMATION****Ground Shipping Information**

**DOT Proper Shipping Name:** None

**Non-Hazardous for Transport:** Not a hazardous material

**Air (ICAO/IATA) Shipping Information**

**Proper Shipping Name:** None

**Non-Hazardous for Air Transport:** Not dangerous goods

**International Maritime Organization (IMO) Additional Shipping Class**

**IMDG Code:** Not Applicable

**Amdt. Code:** Not Applicable

**HTS Code:** Not Applicable

## **SECTION 15 - REGULATORY INFORMATION**

### **U.S. FEDERAL REGULATIONS**

**SARA LISTED:** No

**OSHA Status:** There are no known hazardous components above regulatory thresholds in this product.

**TSCA Status:** All components of this product are listed on the TSCA inventory.

## **SECTION 16 - OTHER INFORMATION**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.