



Polar Industries, Inc.  
www.polarindustries.net

**MATERIAL SAFETY DATA SHEET**  
**Identity: HiBond 7012 Epoxidized Flax Oil**

**Section 1**

**Company Name:** Polar Industries, Inc.  
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**Section II: Hazardous Ingredients/Identify Information**

**Hazardous Components**

**Specific Chemical Identity: (Common Name) OSHA PEL ACGIHT TLV  
Other Limits**

1. None

**Section III: Physical/Chemical Characteristics**

<b>Boiling Point:</b>	N/A	<b>Specific Gravity</b>	(H <sub>2</sub> O=1); 0.910-0.945
<b>Vapor Pressure (mm HG):</b>	<0.05 mm @300° C	<b>Melting Point:</b>	Liquid above 0° C
<b>Vapor Density (air=1):</b>	N/A	<b>Evaporation Rate:</b>	N/A
<b>Solubility in Water:</b>	Insoluble		(Butyl Acetate=1)
<b>Appearance:</b>			

**Section IV: Fire and Explosion Hazard Data**

**Flash Point** > 315

<b>Flammable Limits:</b>	LEL UEL Not established
<b>Extinguishing Media:</b>	Dry Chemical or CO2 preferred
<b>Special Fire Fighting Procedures:</b>	Stop spill, start fire fighting efforts immediately. Limit spread. Treat as an oil (edible fat) fire.
<b>Unusual Fire and Explosion Hazards:</b>	Ignition temperature approximately >340. In the event of fire and/or explosion do not breathe fumes

### Section V: Reactivity Data

**Stability:** (X) Stable ( ) Unstable  
**Incompatibility (materials to avoid):** Avoid flames and strong oxidizers  
**Hazardous Decomposition or By Products:** N/A  
**Conditions to Avoid:** Do not overheat. If product begins to smoke, reduce heat.  
**Hazardous Polymerization:** ( ) May Occur (X) Will not occur

### Section VI: Health Hazard Data

**Route(s) of Entry:** Inhalation? XX Skin? XX Ingestion? No hazard  
**Carcinogenicity:** None **NTP:** NO **IARC Monographs:** NO **OSHA Regulated:** NO  
**Health Hazards Signs (acute and chronic):** Component "C" is a fine powder, inhalation should be avoided. Product is derived from flax.  
**Symptoms of Exposure:** None known  
**Medical Conditions Generally Aggravated by Exposure:** Person with respiratory problems should avoid inhalation of any dust material. Product is derived from flax. Person with allergy to flax should avoid contact.  
**Emergency and First Aid Procedures:** Skin: wash exposed skin with soap and water. Eyes: wash with low pressure water. If inhaled: move person to fresh air.

### Section VII: Precautions for Safe Handling and Use

<b>Steps to be taken in case material is released or spilled:</b>	Use oil absorbent and dispose of properly (either sand or vermiculite floor absorbent).
<b>Waste Disposal Method:</b>	Do not put into sewer lines. Dispose of in accordance with local regulations.
<b>Precautions to be taken in handling and storing:</b>	Keep away from fire or open flames. Store in dry area, preferable at less than 85 °F and low relative humidity to maintain quality.
<b>Other Precautions:</b>	Consult federal and/or local authorities for approved disposal procedures.

### Section VIII: Control Measures

**Respiratory Protection:** Not necessary under normal conditions of use.

**Ventilation:**

**Local Exhaust:** Normal ventilation, mechanical (general)

**Special:** If product is used at elevated temperatures, a fume collection system is suggested.

**Protective Gloves:** Required for safety protection **Eye Protection:** Safety glasses

**Other Protective Clothing and Equipment:** Evaluate need based on particular application

**Work/Hygienic Practice:** Handle in accordance with good industrial, hygiene and safety practice for handling non-hazardous liquid material.

**NOTE:** The information in this MSDS is compiled from sources considered to be accurate to the best of our knowledge and applies to activities within the scope of the intended use of the product as a vegetable/seed oil. No warranty is expressed or implied with respect to completeness of continuing accuracy of the information given here. User should satisfy themselves that they have all current data relevant to their particular use.