

# MATERIAL SAFETY DATA SHEET

Date last revised 04/07/2005 By M. Lykins

MSDS-21

## I. General Information

<b>Chemical Name &amp; Synonyms</b> Polypropylene	<b>Trade Name &amp; Synonyms</b> Natural Homopolymer Polypropylene, O, P grade polypropylene.
<b>Chemical Family</b> Homopolymer Polypropylene	<b>Formula</b> [Ch (ch3) ch2-]
<b>Proper DOT Shipping Name</b> N/A	<b>DOT Hazard Classification</b> N/A
<b>Manufacturer</b> Poly Hi Solidur Inc.	<b>Manufacturer's Phone Number</b> (260) 479-4274
<b>Manufacturer's Address</b> 2710 American Way, Fort Wayne, IN 46809	<b>Chemtrec Phone Number</b> 1-800-424-9300

## II. Ingredients

Principal Components	Percent	Threshold Limit Value (Units)
Polypropylene (9003-07-0)	>90%	10mg/m3 (total dust)

## III. Physical Data

<b>Boiling Point (Deg. F.)</b> N/A	<b>Specific Gravity (H20=1)</b> .90-.91
<b>Vapor Pressure (mm Hg)</b> N/A	<b>Percent Volatile By Volume (%)</b>
<b>Vapor Density (Air=1)</b> N/A	<b>Evaporation Rate (Air =1)</b> N/A
<b>Solubility in Water</b> Negligible	<b>pH</b> N/A
<b>Appearance &amp; Odor</b> Opaque, or white, solid, no odor	

## IV. Fire & Explosion Hazard Data

<b>Flash Point (Test Method) Auto Ignition Temperature</b>		
<b>Flammable Limits</b> N/A	<b>LEL</b> N/A	<b>UEL</b> N/A
<b>Extinguishing Media</b> Water, Foam, Carbon Dioxide, Dry Chemical		
<b>Special Fire Fighting Procedures</b> Slow burning plastic that emits a dense black smoke. Firefighters should wear a self-contained breathing apparatus and protective clothing.		
<b>Unusual Fire &amp; Explosion Hazards</b> Dust is flammable when finely divided (less than 200 mesh) and suspended in air. Combustion products may be hazardous.		

## V. Health Hazard Data

<b>OSHA Permissible Exposure Limit</b> 15 mg/m <sup>3</sup> total dust, 5 mg/m <sup>3</sup> respirable dusts.	<b>ACGIH Threshold Limit Value</b> 10 mg/m <sup>3</sup> total dust
<b>Carcinogen - NTP Program</b> NO	<b>Carcinogen - IARC Program</b> NO
<b>Symptoms of Exposure</b> Polypropylene heated to 700 deg. F can irritate the respiratory tract.	
<b>Medical Conditions Aggravated By Exposure</b> None known, however, seek medical attention if constant irritation occurs. If thermal decomposition occurs, upper respiratory, eye, nose, and throat irritation may result.	
<b>Primary Route(s) of Entry</b> Inhalation of particulates.	
<b>Emergency First Aid</b> Molten material. If molten material comes in contact with the skin, cool under running water. Do not attempt to remove the molten material from the skin. Get medical attention.	

## VI. Reactivity Data

<b>STABILITY</b> <input type="checkbox"/> Unstable <input checked="" type="checkbox"/> Stable <b>INCOMPATIBILITY</b> Hazardous <input type="checkbox"/> May Occur Polymerization <input checked="" type="checkbox"/> Will Not Occur	<u>Conditions To Avoid</u> None Known <u>Materials To Avoid</u> Strong oxidizing agents. <u>Conditions To Avoid</u> None Known
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<b>Hazardous Decomposition Products</b> Carbon Monoxide, Carbon Dioxide, organic oxidation products, acrid smoke, and fumes.
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## VII. Environmental Protection Procedures

<b>Spill Response...</b> Sweep up for Disposal or reuse.
<b>Waste Disposal Method...</b> Incineration or landfill - dispose of in accordance with Federal, State and Local regulations.

## VIII. Special Protection Information

<b>Eye Protection</b> Glasses with side shields.	<b>Skin Protection</b>
<b>Respiratory Protection (Specific Type)</b> - NIOSH approved dust respirator recommended. If material is being burned wear an organic respirator. <b>Ventilation Recommended</b> - Local ventilation in dusty conditions, or if thermal decomposition occurs.	
<b>Other Protection</b> Gloves and protective garments when handling molten material.	

## IX. Special Precautions

<b>Hygienic Practices In Handling &amp; Storage</b> Wash with soap and water.
<b>Precautions For Repair &amp; Maintenance Of Contaminated Equipment</b> Eliminate ignition sources.
<b>Other Precautions</b> Avoid excess breathing of vapors, fumes, or smoke that may be released during thermal processing. Store in a sprinkler protected warehouse. Natural Homopolymer Polypropylene will burn if ignited.
<b>NFPA Code:</b> Fire 1, Health 0, Reactivity 0 <b>HMS Code:</b> Fire 1, Health 0, Reactivity 0

## X. Regulatory Information

**OSHA Status:** Polypropylene is not considered hazardous under OSHA.

**TSCA Inventory Status:** All ingredients are listed.

**CERCLA Reportable Quantity (RG):** None

**SARA Title III:**

**Section 302/304:** No extremely hazardous substances

**Section 311/312:** No reporting requirements although it is suggested that storage of >10,000 lbs of polypropylene in one facility should be listed on a Tier II report.

**Section 313:** No reporting requirements.

Hazard data contained herein was obtained from raw material suppliers. The information presented is believed to be factual, as it was derived from the works and opinions of persons believed to be qualified. However, no facts contained in the information are to be taken as a warranty, or representation, for which Poly Hi Solidur, Inc. bears legal responsibility. The user should review any recommendation in the specific context of the intended use to determine if they are appropriate.