



DIAMONDGRID™

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ANYWHERE



# MATERIAL DATA SAFETY SHEET

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## Section 1: General Information

**Chemical Name & Synonyms** Polypropylene Copolymer Resin

**Trade Name & Synonyms**

**Chemical Family**

**Formula**

**Proper DOT Shipping Name**

**Dot Hazard Classification**

**Solubility in Water** NA

**pH** No data

**Appearance & Odor** Solid, no odour

**Symptoms of Exposure**

**Medical Conditions Aggravated by Exposure**

**Primary Route(s) of Entry**

**Emergency First Aid**

## Section 2: Ingredients

**Principal Components** Polypropylene

**Percent** >99%

**Threshold Limit Value (Units)** 10mg/m<sup>3</sup> (total dust)

## Section 4: Fire & Explosion Hazard Data

**Flash Point (Test Method)** >260 C (500F)

**Auto Ignition Temperature** 388 C (735F)

**Flammable Limits** NA

**LEL** NA

**UEL** NA

**Extinguishing Media** Water, Foam, Carbon Dioxide, Dry Chemical

**Special Fire Fighting Procedures** Slow burning plastic that emits a dense black smoke. Firefighters should wear a self-contained breathing apparatus and protective clothing.

Unusual Fire & Explosions Hazards  
Dusts is flammable when finely divided (less than 200 mesh) and suspended in air. Combustion products may be hazardous.

## Section 3: Physical Data

**Boiling Point (Deg. F.)** NA

**Specific Gravity (H<sub>2</sub>O=1)** .90-.91

**Vapor Pressure (mm Hg)** NA

**Percent Volatile by Volume (%)** NA

**Vapor Density (Air=1)** NA

**Evaporation Rate (Air=1)** NA

## Section 5: Health Hazard Data

<b>OSHA Permissible Exposure Limit</b>	M3 total dust, 5 mg/m3 respirable dusts.
<b>ACGIH Threshold Limit Value</b>	10 mg/m3 total dust
<b>Carcinogen – NTP Program</b>	No
<b>Carcinogen – IARC Program</b>	No
<b>Symptoms of Exposure</b>	Polypropylene heated to 371.11 C (700 F) can irritate the respiratory tract.
<b>Medical Conditions Aggravated by Exposure</b>	None known, 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 materia: If molten material comes in contact with the skin, cool under running water. Do not attempt to remove the molten material from the skin. Seek medical attention immediately.

## Section 6: 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"/> May not occur

<b>Conditions to Avoid</b>	None Known
<b>Materials to Avoid</b>	Strong oxidizing agents
<b>Conditions to Avoid</b>	None Known

## Section 7: Environmental Protection Procedures

<b>Spill Response</b>	Sweep for disposal or reuse
<b>Waste Disposal (Incineration or Landfill)</b>	Dispose of in accordance with Federal, State and Local regulations.

## Section 8: Special Protection Information

<b>Eye Protection</b>	Glasses with side shields
<b>Skin Protection</b>	Use insulated gloves when handling molten material
<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

## Section 9: Special Precautions

**Hygienic Practices in Handling & Storage** Wash with soap and water

**Precautions For Repair & Maintenance of Contaminated Equipment** Eliminate ignition sources.

**Other Precautions** Avoid excess breathing of vapours, fumes or smoke that may be released during thermal processing. Store in a sprinkler protected warehouse. Natural Homopolymer Polypropylene will burn if ignited.

**NFPA Code** Fire 1, Health 0, Reactivity 0

**HMIS Code** Fire 1, Health 0, Reactivity 0

## Section 10: Regulatory Information

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

**TSCA Inventory Status** All ingredients are listed

**CERCLA Reportable Quantity (RQ)** None  
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.