

# Materials Safety Data



<b>Product Name</b>	Innegra™ S	<b>EMNA/EN</b>
<b>MSDS Number</b>	IF 02	<b>Revision Date</b>
<b>Revision Number</b>	A	<b>Issuing Date</b>
		<b>June 23, 2008</b>

## 1) Product and Company Identification

**Product Name:** INNEGRA S

**Manufacturer, Importer, Supplier**

Innegrity, LLC  
1312 Old Stage Rd  
Simpsonville, SC 29681  
United States

**Product Information** 1 864 373-7070

## 2) Composition/Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
Polypropylene	9003-07-0	100	Not available

## 3) Hazard Identification

**Physical State and Appearance:** Solid

**Emergency Overview:** Irritation vapors to respiratory system and eyes may form when polymer is processed at high temperatures. Molten or heated material in skin contact can cause severe burns.

**Routes of Entry:** FOR HOT MATERIAL: Skin contact, Eye contact, Inhalation

**Potential Acute Health Effects:** *Eyes:* Slightly hazardous by the following route of exposure: of eye contact (irritant). **Heated Polymer:** Eye contact can cause serious thermal burns. Vapors formed when polymer is heated may be irritating to the eye. *Skin:* No known acute effects of this product resulting from skin contact. However, in light of good industrial hygiene, exposure to any chemical should be kept to a minimum. **Heated Polymer:** skin contact can cause serious thermal burns. *Inhalation:* Negligible at room temperature. Nuisance dusts can be irritating to the upper respiratory tract. Irritating vapors may form when the polymer is processed at high temperatures. *Ingestion:* No effects are expected for ingestion of small amounts. May be a choking hazard.

**Potential Chronic Health Effects**

**CARCINOGENIC EFFECTS:** Polypropylene is not a known carcinogen. Classified NONE by NTP, NONE by OSHA, 3 (Not classifiable for humans) by IARC.

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**Medical Conditions Aggravated by Overexposure** There is no known effect from chronic exposure to this product. Repeated or prolonged exposure is not known to aggravate any medical condition.

**Overexposure/ Signs/Symptoms** No information available.

*See Toxicological Information (Section 11)*

## 4) First Aid Measures

**Eye Contact** Rinse with water for a few minutes. Seek medical attention if Necessary

**Skin Contact** Polymer: NO Known EFFECT on skin contact, rinse with water for a few minutes. Heated Poymer: For serious burns fro heated polymer, get medical attention.

**Inhalation** Allow the victim to rest in a well-ventilated area.

**Ingestion** No First Aid procedures are needed

**Notes to Physician** Not Available

## 5) Fire Fighting Measures

**Flammability of the Product** May be combustible at high temperatures.

**Auto-ignition Temperature** Not available

**Flash Points** Not available

**Flammable Limits** Not available

**Products of Combustion** Carbon oxides (CO and CO<sub>2</sub>) and soot.

**Fire hazards in Presence Various Substance** No specific information is available I our database regarding the flammability of of this product in presence of various materials.

**Explosion Hazards in Presence of Various Substances** Risks of explosion of the product in presence of mechanical impact; Not expected. Risks of explosion of the product in presence of static discharge: Possible. Risk of explosion from dust accumulation of this product is possible. See MSDS Section 7 Handling for more information.

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<b>Fire Fighting Media and Instructions</b>	SMALL FIRE: Use DRY chemicals, CO2 water spray, halon, or foam. LARGE FIRE: USE water spray, fog or foam. DO NOT use water jet.
<b>Protective Clothing (FIRE)</b>	Wear MSHA/NIOSH approved self-containing breathing apparatus or equivalent and full protective gear.
<b>Special Remarks on Fire Hazards</b>	Fire may produce irritating gases and dense smoke.
<b>Special Remarks on Explosion Hazards</b>	Processing or material handling equipment may generate dust of sufficiently small particle size, that when suspended in air may be Explosive

## 6) Accidental Release Measures

<b>Small Spill and Leak</b>	Pellets on the floor could present a serious slipping problem. Good housekeeping must be maintained at all times to avoid this hazard. Sweep, shovel, or vacuum material into clean containers.
<b>Large Spill and Leak</b>	Use a shovel to put the material into a convenient waste disposal container.

## 7) Handling and Storage

<b>Handling</b>	Handling of plastic form nuisance dust. Protect personnel. Pneumatic material handling and processing equipment may generate dust of sufficiently small particle size that, when suspended in air, may be explosive. Dust accumulations should be controlled through a comprehensive dust control program that includes, but is not limited to, source capture, inspection and repair of leaking equipment, routine housekeeping and employee training in hazards. See NFPA 654.
<b>Storage</b>	Keep container dry. Keep in a cool place. Ground all equipment containing material. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

## 8) Exposure Controls/Personal Protection

<b>Engineering Controls</b>	Heated polymer requires local exhaust ventilation or other engineering control to reduce exposure to vapor below recommended levels
<b>Personal Protection</b>	<u>Eyes</u> : Safety glasses. <u>Body</u> : No special protective clothing is required <u>Respiratory</u> : Ventilation is normally required when handling this product at high temperatures. Wear appropriate respirator when ventilation is inadequate. <u>Hands</u> : Thermally insulated gloves required when handling hot material. <u>Feet</u> : Safety slip proof shoes in areas where spills or leaks can occur.
<b>Protective Clothing</b>	Safety glasses. Gloves.

# Materials Safety Data

Product Name	Exposure Limits
Polypropylene	Not available

Consult Local authorities for acceptable exposure to limits

## 9) Physical and Chemical Properties

<b>Physical State and Appearance</b>	Solid (solid Pellets.)
<b>Molecular Weight</b>	Not available.
<b>Molecular Formula</b>	(C <sub>3</sub> H <sub>6</sub> ) <sub>x</sub>
<b>pH (1% Soln/Water)</b>	Not applicable.
<b>Boiling/Condensation Point</b>	Not available.
<b>Melting/Freezing Point</b>	120 to 170° C (248 to 338° F)
<b>Critical Temperature</b>	Not available.
<b>Specific Gravity</b>	0.91 to 0.97 (Water = 1)
<b>Vapor Pressure</b>	Not available.
<b>Vapor Density</b>	Not available.
<b>Volatility</b>	Negligible
<b>Odor Threshold</b>	Not available.
<b>Evaporation Rate</b>	Not available.
<b>VOC</b>	Not available.
<b>Viscosity</b>	Not available
<b>LogK<sub>ow</sub></b>	Not available.
<b>Ionicity (in Water)</b>	Not available.
<b>Dispersion Properties</b>	Not available.

<b>Odor</b>	Odorless
<b>Taste</b>	Not available.
<b>Color</b>	Translucent white pellets

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<b>Solubility in Water</b>	Insoluble in water.
<b>Physical Chemical Comments</b>	No additional remark.

## 10) Stability and Reactivity

<b>Stability and Reactivity</b>	The product is stable. Avoid temperatures above 300 degree (570 F)
<b>Conditions of Instability</b>	No additional remark
<b>Incompatibility with Various Substances</b>	Incompatible or reactive with fluorine gas, oxidizing agents (nitric acid and perchloric acid), free halogens, benzene, petroleum ether, gasoline and lubricating oils, and aromatic and chlorinated hydrocarbons.
<b>Hazardous Decomposition Products</b>	Hazardous decomposition products are carbon monoxide and carbon dioxide
<b>Hazardous Polymerization</b>	No.

## 11) Toxicological Information

<b>Toxicity to Animals</b>	LD50: Not available. LC50: Not available.
<b>Chronic Effects on Humans</b>	CARCINOGENIC EFFECTS: Classified NONE by NTP, NONE by OSHA. 3 (Not classifiable for human.) by IARC.
<b>Other Toxic Effects on Humans</b>	Not considered to be dangerous to humans, according to our database.
<b>Special Remarks on Toxicity to Animals</b>	No additional remarks.
<b>Special Remarks on Chronic Effects on Humans</b>	No additional remarks.
<b>Special Remarks on Other Toxic Effects on Humans</b>	No additional remarks.

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## 12) Ecological Information

<b>Ecotoxicity</b>	Not available.
<b>BOD5 and COD</b>	Not available.
<b>Biodegradable/OECD</b>	Not available.
<b>Mobility</b>	Not available.
<b>Toxicity of the products of Biodegradation</b>	Not available.
<b>Special Remarks on the Products of Biodegradation</b>	Not available.

## 13) Disposal Consideration

<b>Waste Information</b>	Transfer to an approved disposal area in accordance with federal, state, and local regulation.
<b>Waste Stream</b>	Not available.

*Consult your local or regional authorities.*

## 14) Transport Information (for bulk shipments, non-bulk shipments may differ)

<b>DOT Classification Bulk Shipments (non bulk Shipments may differ)</b>	Not a DOT controlled material (United States).
<b>DOT proper Shipping Name</b>	Not applicable.
<b>UN Number</b>	Not applicable.
<b>Packing Group</b>	Not applicable.
<b>USCG Proper Shipping Name</b>	Polypropylene.
<b>Marine Pollutant</b>	Not Available.
<b>Hazardous Substances</b>	Not available.

# Materials Safety Data

<b>Special provisions for Transport</b>	Not Applicable.
<b>TDG Classification</b>	Not Controlled under TDG (Canada)
<b>ADR/RID Classification</b>	Not Controlled under ADR (Europe)
<b>IMO/IMDG Classification</b>	Not Controlled under IMDG.
<b>ICAO/IATA Classification</b>	Not controlled under IATA.

## 15) Regulatory Information

**HCS Classification** This product is not a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910. 1200.

U.S. Federal Regulation TSCA inventory: All components are listed or exempted.  
**SARA 301/302/303**

No chemicals in this product are listed as extremely hazards substances in 40 CFR 355, Emergency Planning and Notification (Appendix A to Part 355).

### **SARA 304**

No chemicals in this product require reporting under the requirement of 40 CFR 355, Emergency Planning And Notification (SARA extremely hazardous substances listed in Appendix A to Part 355 or CERCLA hazardous substances listed in Table 302.4 of 40 CFR Part 302).

### **SARA 313**

This product contains no chemicals in excess of the applicable de minimis concentration that are subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (Table 372.65).

### **SARA 311/312**

This product is not a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910. 1200, and as such does not require reporting under the requirements of 40 CFR 370, Hazardous Chemical Reporting: Community Right-To-Know.

Specific state and local regulations should be consulted to determine if there are any additional requirements. Because many states and localities have added requirements or incorporated the Federal contents in their own forms, Tier I & II forms should be obtained from the State Emergency Response Commission (SERC)

# Materials Safety Data

Clean water act (CWA) 307; No products were found.  
Clean Water Act (CWA) 311; No products were found.  
Clean air act (CAA) 112 accidental release prevention: No products were found.  
Clean air Act (CAA) 112 regulated flammable substances: No products were found.  
Clean air Act (CAA) 112 regulated toxic substances: No products were found.

## International Regulations

**WHMIS (Canada)** No controlled under WHMIS ( Canada).

CEPA DSL: Polypropylene

**EINECS** Not available.

**DSCL (EEC)** Not controlled under DSCL (Europe)

**International Lists** No products were found.

## State Regulations

No products were found.

California prop. 65; There are no Proposition 65 chemicals present in our polypropylene resins at levels that would require a warning under the California Safe Drinking Water and Toxic Enforcement Act.