

# Safety Data Sheet

## Luminy® PDLA neat resin

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Date previous version 10/28/2016  
Version 2 - EN

**SAFETY DATA SHEET**

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Luminy PDLA Neat resin

**Trade name** Luminy® D070  
Luminy® D105  
Luminy® D120  
Luminy® D130

**Recommended Use** Plastics.  
**Uses advised against** Pharmaceutical, Medicinal products.

**Supplier** Total Corbion PLA  
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### 2. HAZARDS IDENTIFICATION

**OSHA Regulatory Status** This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Signal Word** Not applicable.

**Hazard Statements** Not applicable.

**Precautionary Statements** Not applicable.

**Main symptoms** No acute and delayed symptoms and effects are observed.

**Environmental hazard** Contains no substances known to be hazardous for the environment. See Section 12 for additional Ecological Information.

**Physical state @20°C** Solid  
**Appearance** Pellets  
**Colour** White / opaque  
**Odour** Odourless

**Interactions with Other Chemicals** Incompatible materials: Moisture, Water.

**Hazards Not Otherwise Classified (HNOC)** None known.



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**Unknown toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Poly lactide resin	9051-89-2	>99

### 4. FIRST AID MEASURES

<b>General advice</b>	No hazards which require special first aid measures.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately if symptoms occur.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention immediately if symptoms occur.
<b>Ingestion</b>	Rinse mouth. Get medical attention immediately if symptoms occur.
<b>Inhalation</b>	Move to fresh air. Get medical attention immediately if symptoms occur.
<b>Main symptoms</b>	No acute and delayed symptoms and effects are observed.
<b>Notes to physician</b>	Treat symptomatically.
<b>Protection of first-aiders</b>	Use personal protective equipment. Avoid contact with skin, eyes and clothing.



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### 5. FIRE FIGHTING MEASURES

<b>Flammable properties</b>	Not flammable.
<b>Flash point</b>	Not applicable
<b>Autoignition temperature</b>	No information available
<b>Suitable Extinguishing Media</b>	Water spray, Foam, Dry powder, Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable Extinguishing Media</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Special Hazard</b>	Hazardous decomposition products formed under fire conditions: Carbon oxides, Acetaldehyde.
<b>Protective Equipment and Precautions for Firefighters</b>	Wear self-contained breathing apparatus and protective suit.
<b>Fire fighting measures</b>	Evacuate non-essential personnel Move containers from fire area if you can do it without risk. Keep containers and surroundings cool with water spray. Prevent fire extinguishing water from contaminating surface water or the ground water system.
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Evacuate personnel to safe areas. Do not touch or walk through spilled material. Avoid dust formation. Avoid contact with skin, eyes and clothing. Do not breathe dust. Use personal protective equipment. Ensure adequate ventilation.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Avoid dust formation. Sweep up and shovel into suitable containers for disposal. Following product recovery, flush area with water.

### 7. HANDLING AND STORAGE

<b>Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not breathe dust. Ensure adequate ventilation. Wear personal protective equipment. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.
<b>Storage</b>	Store in accordance with local regulations. Keep containers tightly closed in a cool, well-ventilated place. Keep at temperatures below 50 °C / 122 °F. Protect from moisture, Water. To ensure the technical integrity of the product: Storage / Handle under nitrogen and protect from moisture.



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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure Guidelines</b>	Contains no substances with occupational exposure limit values.
<b>Appropriate engineering controls</b>	Ensure adequate ventilation, especially in confined areas. Keep at temperatures below 230 °C / 446 °F.
<b>Personal Protective Equipment</b>	
<b>Eye protection</b>	Tightly fitting safety goggles (EN166).
<b>Hand Protection</b>	Protective gloves (EN374): Butyl rubber. Glove thickness: 0.5 mm. Break through time: >8 hours.
<b>Skin and body protection</b>	Long sleeved clothing.
<b>Respiratory protection</b>	In case of insufficient ventilation wear suitable respiratory equipment.
<b>Recommended Filter Type</b>	P2 / FFP2.
<b>Hygiene Measures</b>	Handle in accordance with good industrial hygiene and safety practice. Workers must be trained in the proper use and handling of this product as required under applicable regulations. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before re-use.
<b>Environmental Exposure Controls</b>	The product should not be allowed to enter drains, water courses or the soil.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state @20°C</b>	Solid
<b>Appearance</b>	Pellets
<b>Colour</b>	White / opaque
<b>Odour</b>	Odourless
<b>pH</b>	Not applicable
<b>Melting/freezing point</b>	150-230 °C / 302-446 °F
<b>Boiling point/boiling range</b>	Not applicable
<b>Flash point</b>	Not applicable
<b>Evaporation rate</b>	Not applicable
<b>Flammability (solid, gas)</b>	Not flammable
<b>Flammability Limits in Air</b>	Not applicable
<b>Vapour pressure</b>	Not applicable
<b>Vapour density</b>	Not applicable
<b>Relative density</b>	No information available
<b>Solubility</b>	
<b>Water solubility</b>	Insoluble
<b>Partition Coefficient (n-octanol/water)</b>	Not applicable
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	> 230 °C / > 446 °F
<b>Viscosity, dynamic</b>	Not applicable
<b>Viscosity, kinematic</b>	Not applicable
<b>Explosive properties</b>	Not explosive
<b>Oxidising properties</b>	Not oxidizing
<b>Density</b>	1,2-1,3 g/cm <sup>3</sup>



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### 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions.
<b>Materials to Avoid</b>	Moisture, Water.
<b>Conditions to Avoid</b>	Temperatures above 230 °C / 446 °F.
<b>Hazardous Decomposition Products</b>	Hazardous decomposition products formed under fire conditions: Carbon oxides, Acetaldehyde.
<b>Hazardous Polymerisation</b>	No information available
<b>Hazardous Reactions</b>	Hazardous polymerisation does not occur.

### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

<b>Acute toxicity</b>	
<b>Ingestion</b>	No known effect.
<b>Skin contact</b>	No known effect.
<b>Inhalation</b>	No known effect.

**Skin corrosion/irritation** No known effect.

**Serious eye damage/irritation** No known effect.

**Respiratory or skin sensitisation** No known effect.

**STOT-single exposure** No known effect.

**Aspiration hazard** No known effect.

#### Chronic toxicity

**Carcinogenicity** Contains no ingredient listed as a carcinogen.

**Germ cell mutagenicity** Not known to cause heritable genetic damage.

**Reproductive toxicity** Not known to cause birth defects or have a deleterious effect on a developing fetus. Not known to adversely affect reproductive functions and organs.

**STOT-repeated exposure** No known effect.

#### Symptoms

**Main symptoms** No acute and delayed symptoms and effects are observed.



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### 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity effects</b>	Contains no substances known to be hazardous for the environment.
<b>Persistence and degradability</b>	Decomposes in contact with water. Hydrolysis product ( S-lactic acid ): Readily biodegradable.
<b>Bioaccumulative potential</b>	No information available.
<b>Mobility in soil</b>	No information available.
<b>Other adverse effects</b>	No information available.

### 13. DISPOSAL CONSIDERATIONS

<b>Waste disposal methods</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. TRANSPORT INFORMATION

According to: US DOT, IMDG, ICAO/IATA, ADR.

Not regulated.



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### 15. REGULATORY INFORMATION

#### International Inventories

TSCA	Listed
DSL	Not listed
NDSL	Listed

#### Federal Regulations

##### SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**Clean Water Act** This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA** This material, as supplied, does not contain substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

#### State Regulations

**California Proposition 65** This product does not contain any Proposition 65 chemicals.

#### U.S. State Right-to-Know Regulations

No information available.

#### Other information

No information available.

#### International Regulations

**Canada** This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

**WHMIS Hazard Class** Not subject to WHMIS classification.



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### 16. OTHER INFORMATION

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Revision Note New layout, Supplier.

Training Advice Workers must be trained in the proper use and handling of this product as required under applicable regulations.

Abbreviations/acronyms  
ACGIH TLV: American Conference of Governmental Industrial Hygienists - Treshold Limit Value  
OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits  
NIOSH IDLH: National Institute for Occupational Safety and Health - Immediately Dangerous to Life or Health  
OSHA: Occupational Safety and Health Administration  
IARC: International Agency for Research on Cancer  
NTP: National Toxicity Program  
SARA: Superfund Amendments and Reauthorization Act  
ACGIH: American Conference of Governmental Industrial Hygienists  
CFR: U.S. Code of Federal Regulations  
ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
DOT: Department of Transport  
IMDG: International Maritime Dangerous Goods Code  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
WHMIS: Workplace Hazardous Materials Information System  
CPR: Controlled Products Regulations

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End of Safety Data Sheet



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