

Safety Data Sheet

Luminy® PLA neat resin

Revision Date 08/13/2018
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Date previous version 11/23/2017
Version 3.1 - EN

SAFETY DATA SHEET

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Luminy PLA Neat resin

Trade name Luminy® L105
Luminy® L130
Luminy® L175
Luminy® LX175
Luminy® LX530
Luminy® LX575
Luminy® LX930
Luminy® LX975
Luminy® LX130U
Luminy® LX175U
Luminy® LX930U

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

Supplier Total Corbion PLA
Arkelsedijk 46
4206 AC Gorinchem
The Netherlands
Tel: +31 183 695695
Fax: +31 183 695604
Email: pla@total-corbion.com

Emergency telephone Total Corbion PLA
+31 183 695695

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



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Colour White / opaque
Odour Odourless

Interactions with Other Chemicals Incompatible materials: Moisture, Water.

Hazards Not Otherwise Classified (HNOC) None known.

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

General advice No hazards which require special first aid measures.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately if symptoms occur.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention immediately if symptoms occur.

Ingestion Rinse mouth. Get medical attention immediately if symptoms occur.

Inhalation Move to fresh air. Get medical attention immediately if symptoms occur.

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

Notes to physician Treat symptomatically.

Protection of first-aiders Use personal protective equipment. Avoid contact with skin, eyes and clothing.



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5. FIRE FIGHTING MEASURES

Flammable properties	Not flammable.
Flash point	Not applicable
Autoignition temperature	No information available
Suitable Extinguishing Media	Water spray, Foam, Dry powder, Carbon dioxide (CO ₂).
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.
Special Hazard	Hazardous decomposition products formed under fire conditions: Carbon oxides, Acetaldehyde.
Protective Equipment and Precautions for Firefighters	Wear self-contained breathing apparatus and protective suit.
Fire fighting measures	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.
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	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.
Environmental precautions	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Avoid dust formation. Sweep up and shovel into suitable containers for disposal. Following product recovery, flush area with water.

7. HANDLING AND STORAGE

Handling	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.
Storage	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

Exposure Guidelines	Contains no substances with occupational exposure limit values.
Appropriate engineering controls	Ensure adequate ventilation, especially in confined areas. Keep at temperatures below 230 °C / 446 °F.
Personal Protective Equipment	
Eye protection	Tightly fitting safety goggles (EN166).
Hand Protection	Protective gloves (EN374): Butyl rubber. Glove thickness: 0.5 mm. Break through time: >8 hours.
Skin and body protection	Long sleeved clothing.
Respiratory protection	In case of insufficient ventilation wear suitable respiratory equipment.
Recommended Filter Type	P2 / FFP2.
Hygiene Measures	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.
Environmental Exposure Controls	The product should not be allowed to enter drains, water courses or the soil.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state @20°C	Solid
Appearance	Pellets
Colour	White / opaque
Odour	Odourless
pH	Not applicable
Melting/freezing point	150 - 230 °C / 302 - 446 °F
Boiling point/boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not flammable
Flammability Limits in Air	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative density	No information available
Solubility	
Water solubility	Insoluble
Partition Coefficient (n-octanol/water)	Not applicable
Autoignition temperature	No information available
Decomposition temperature	> 230 °C / > 446 °F
Viscosity, dynamic	Not applicable
Viscosity, kinematic	Not applicable
Explosive properties	Not explosive
Oxidising properties	Not oxidizing
Density	1.2 - 1.3 g/cm ³



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10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Acute toxicity	
Ingestion	No known effect.
Skin contact	No known effect.
Inhalation	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

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

13. DISPOSAL CONSIDERATIONS

Waste disposal methods	Dispose of in accordance with local regulations.
Contaminated packaging	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

Chemical Name	TSCA	DSL/NDSL
Poly lactide resin	Listed	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 Indication of the changes made to the previous version of the SDS: Trade name.

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

SDS No. CO00048
Subformat CTUS

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End of Safety Data Sheet



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