

# Safety Data Sheet

## Luminy® PLA neat resin

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Date previous version 13/08/2018  
Version 4.2 - EN

SAFETY DATA SHEET

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## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

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

REACH Registration Number No registration number is given for this substance because it is a polymer exempted from registration according to the provisions of Article 2(9) of REACH.

Monomer, L-Lactide: 01-2119489904-22-0002

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

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

### 1.3. Details of the supplier of the safety data sheet

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

### 1.4. Emergency telephone number

Total Corbion PLA  
+31 183 695695

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Classification according to EU Regulation 1272/2008/EC Not classified.

### 2.2 Label elements

None.



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### 2.3 Other hazards

This product does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Chemical nature Polymer.

Substance name	EC-No	CAS-No	Weight %	Classification (1272/2008/EC)	REACH Registration Number
Poly lactide resin	618-575-7	9051-89-2	>99	-	Exempt

## SECTION 4: FIRST AID MEASURES

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

### 4.2. Most important symptoms and effects, both acute and delayed

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

### 4.3. Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.



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### SECTION 5: FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

**Suitable Extinguishing Media** Water spray, Foam, Dry powder, Carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media** Do not use a solid water stream as it may scatter and spread fire.

#### 5.2. Special hazards arising from the substance or mixture

**Special Hazard** Hazardous decomposition products formed under fire conditions: Carbon oxides, Acetaldehyde.

#### 5.3. Advice for firefighters

**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.

**Special protective equipment for fire-fighters** Wear self-contained breathing apparatus and protective suit.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

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.

#### 6.2. Environmental precautions

Should not be released into the environment. Prevent further leakage or spillage if safe to do so.

#### 6.3 Methods and material for containment and cleaning up

Avoid dust formation. Sweep up and shovel into suitable containers for disposal. Following product recovery, flush area with water.

#### 6.4. Reference to other sections

See sections 8 and 13.



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### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe 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.

#### 7.2. Conditions for safe storage, including any incompatibilities

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.

#### 7.3. Specific end use(s)

Exposure scenario Not available.

Other information Not available.



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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

**Exposure Limits** Contains no substances with occupational exposure limit values.

**Biological Limit Values** Not established.

**Recommended monitoring procedures** No information available.

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

#### 8.2. Exposure controls

**Appropriate engineering controls** Ensure adequate ventilation, especially in confined areas. Keep at temperatures below 230 °C / 446 °F.

#### Individual protection measures, such as 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.



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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic 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

#### 9.2 Other information

Density	1.2 - 1.3 g/cm <sup>3</sup>
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### SECTION 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

No information available

#### 10.2. Chemical stability

Stable under recommended storage conditions.

#### 10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

#### 10.4. Conditions to avoid

Temperatures above 230 °C / 446 °F.

#### 10.5. Incompatible materials

Moisture, Water.

#### 10.6. Hazardous decomposition products

Hazardous decomposition products formed under fire conditions: Carbon oxides, Acetaldehyde.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

<b>Acute toxicity</b>	
<b>Ingestion</b>	No known effect.
<b>Skin contact</b>	No known effect.
<b>Inhalation</b>	No known effect.
<b>Skin corrosion/irritation</b>	No known effect.
<b>Serious eye damage/irritation</b>	No known effect.
<b>Respiratory or skin sensitisation</b>	No known effect.
<b>Germ cell mutagenicity</b>	Not known to cause heritable genetic damage.
<b>Carcinogenicity</b>	Contains no ingredient listed as a carcinogen.
<b>Reproductive toxicity</b>	Not known to cause birth defects or have a deleterious effect on a developing fetus. Not known to adversely affect reproductive functions and organs.
<b>STOT-single exposure</b>	No known effect.
<b>STOT-repeated exposure</b>	No known effect.
<b>Aspiration hazard</b>	No known effect.



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### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1. Toxicity

Contains no substances known to be hazardous for the environment.

#### 12.2. Persistence and degradability

Compostable and biodegradable according to EN 13432, ASTM D6400 and ISO 17088. Decomposes in contact with (hot) water. The hydrolysis product is S-lactic acid which is readily biodegradable

#### 12.3. Bioaccumulative potential

No information available.

#### 12.4. Mobility in soil

No information available.

#### 12.5. Results of PBT and vPvB assessment

This product is not considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

#### 12.6. Other adverse effects

No information available.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

**Waste from residues / unused products** Dispose of in accordance with local regulations.

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.



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### SECTION 14: TRANSPORT INFORMATION

According to: ADR, RID, ADN, IMDG, IATA/ICAO.

#### 14.1. UN number

Not regulated.

#### 14.2. UN proper shipping name

Not regulated.

#### 14.3. Transport hazard class(es)

Not regulated.

#### 14.4. Packing group

Not regulated.

#### 14.5 Environmental hazards

Not applicable.

#### 14.6 Special precautions for user

Not applicable.

#### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

### SECTION 15: REGULATORY INFORMATION

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions on use                      None.

Other Regulations                      No information available.

#### 15.2 Chemical safety assessment

No information available.



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### SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3	Not applicable.
Revision Note	Indication of the changes made to the previous version of the SDS: Section 1
Training Advice	Workers must be trained in the proper use and handling of this product as required under applicable regulations.
Abbreviations and acronyms	REACH: Registration, Evaluation, Authorisation and Restriction of Chemical substances EC: European Commission STOT: Specific Target Organ Toxicity PBT: Persistent, Bioaccumulative, Toxic vPvB: very Persistent and very Bioaccumulating ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) ADN: Accord européen relatif au transport international des marchandises Dangereuses par voies de Navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways) RID: Règlement concernant le transport international ferroviaire des marchandises dangereuses (Regulations for the International Transport of Dangerous Goods by Rail) IMDG: International Maritime Dangerous Goods Code ICAO: International Civil Aviation Organization
SDS No.	CO00048
Subformat	CTEU

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 and Regulation (EC) No. 2015/830. Label element according to Regulation (EC) No 1272/2008.

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End of Safety Data Sheet



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