SECTION 1 : Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form	:	Substance
Name	:	Luminy PLA Neat resin
Trade name	:	Luminy® L105 Luminy® L130 Luminy® L175 Luminy® LX105 Luminy® LX175 Luminy® LX530 Luminy® LX575 Luminy® LX930 Luminy® LX975 Luminy® Development Grade Luminy® TGR1 Luminy® TGR2 Luminy® LX930 CS1 Luminy® L040 This SDS covers Luminy® PLA L-grades with the suffix BMB and RMB.
EC-No.	:	618-575-7
CAS-No.	:	9051-89-2
KECI-No.	:	2003-3-2341

1.2. Recommended uses and restrictions

1.2.1. Recommended use	:	Plastics.
1.2.2. Restrictions on use	:	Pharmaceuticals, Medical device

1.3. Supplier information

- Manufacturer

Company	:	TotalEnergies Corbion BV
Address	:	(4203 NS) The Netherlands Gorinchem Stadhuisplein 70
Tel.	:	+31 183 695 695
Emergency telephone number	:	+44 1865 407333 (CareChem24)
Emergency information	:	Operating hours 24 hours, 7 days a week
E-mail	:	pla@totalenergies-corbion.com

SECTION 2 : Hazards identification

2.1. Classification of the substance or mixture

No data availableNo data available

2.2. Label elements

2.2.1. Hazard pictograms (GHS KR)

Not applicable

2.2.2. Signal word (GHS KR)

Not applicable

2.2.3. Hazard statements (GHS KR)

Not applicable

2.2.4. Precautionary statements (GHS KR)

Not applicable

2.3. Hazards - Other hazards which do not result in classification - Hazard Risk

Warning.
Potential dust explosion hazard.

Dust may form explosive mixture in air

SECTION 3 : Composition/information on ingredients

Product form : Substance

Substance name	Other Names	Product identifier number	Concentration (%)
Polylactide resin	-	CAS-No.: 9051-89-2 KECI-No.: 2003-3-2341	99 – 100

No data available

SECTION 4 : First aid measures

4.1. First-aid measures after eye contact

- Rinse eyes with water as a precaution.

4.2. First-aid measures after skin contact

- Wash skin with plenty of water.

4.3. First-aid measures after inhalation

- Remove person to fresh air and keep comfortable for breathing.

4.4. First-aid measures after ingestion

- Call a poison center or a doctor if you feel unwell.

4.5. Other medical advice or treatment

- Treat symptomatically.

SECTION 5 : Firefighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Water spray,Dry powder,Foam.
- 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

- Fire hazard : No fire hazard.
- Explosion hazard : Dust may form explosive mixture in air.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Evacuate personnel to a safe area,Use water spray or fog for cooling exposed containers,Move containers from fire area if it can be done without personal risk,Prevent fire fighting water from entering the environment.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment,Self-contained breathing apparatus,Complete protective clothing.

SECTION 6 : Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- Wear recommended personal protective equipment.
- Evacuate unnecessary personnel.
- Ventilate spillage area.
- Avoid dust formation.
- Avoid contact with skin and eyes.
- Do not touch or walk on the spilled product.
- Do not breathe dust.
- Do not attempt to take action without suitable protective equipment.
- For further information refer to section 8: "Exposure controls/personal protection".
- Dispose of materials or solid residues at an authorized site.

6.2. Environmental precautions and protective procedures

- Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- Stop leak without risks if possible.
- Avoid creating or spreading dust.
- Minimise generation of dust.
- Use non-sparking tools.
- Use wet cleaning techniques or vacuum cleaners with HEPA H13 filters (or better) for removal of dust.
- Do not allow product to reach the sewage system.
- Never return spills in original containers for possible later re-use.
- Train personnel on the risks of leakage and proper cleanup procedures.

SECTION 7 : Handling and storage

7.1. Precautions for safe handling

- Handle under inert gas. Protect from moisture.
- Wear personal protective equipment.
- Avoid contact with skin and eyes.
- Ensure good ventilation of the work station.
- Keep only in original container.
- Do not handle until all safety precautions have been read and understood.
- Do not eat, drink or smoke when using this product.
- Always wash hands after handling the product.
- Use good housekeeping practices during storage, transfer, handling, to avoid excessive dust accumulation.
- Wash contaminated clothing before reuse.
- Avoid contact with skin, eyes and clothing.
- Do not breathe dust.
- Dust may form flammable and explosive mixture with air.

- Handling temperature : < 50 °C

7.2. Conditions for safe storage

- Keep container tightly closed in a cool, well-ventilated place.
- Protect from moisture.
- Water, humidity.
- Store according to local legislation.
- Always store product in container of same material as original container.

- Storage temperature : < 50 °C

SECTION 8 : Exposure controls/personal protection

8.1. Occupational Exposure Limits

Luminy PLA Neat resin (9051-89-2)
No additional information available
Polylactide resin (9051-89-2)
No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station,Assess the risk of potentially explosive atmospheres and the need for explosion-proof equipment.

Environmental exposure controls : Avoid release to the environment.

Other information : Handle in accordance with good industrial hygiene and safety procedures,Always wash hands after handling the product,Do not eat, drink or smoke when using this product,Avoid contact with skin, eyes and clothing,Use good housekeeping practices during storage, transfer, handling, to avoid excessive dust accumulation,Wash contaminated clothing before reuse,Do not breathe dust.

8.3. Personal protection

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:					
Protective gloves					
Type	**Material**	**Permeation**	**Thickness (mm)**	**Penetration**	**Standard**
Protective gloves	Butyl rubber	6 (> 480 minutes)	0.5		EN 374

Eye protection:			
Safety glasses with side shields			
Type	**Field of application**	**Characteristics**	**Standard**
Safety glasses with side shields	Dust		EN ISO 16321-1

Skin and body protection:	
Long sleeved protective clothing	
Type	**Standard**
Long sleeved protective clothing	EN ISO 13982

Respiratory protection:			
No respiratory protection needed under normal use conditions. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended			
Device	**Filter type**	**Condition**	**Standard**
Dust mask	(FFP2)	Dust protection	EN 149

Personal protective equipment symbol(s):

SECTION 9 : Physical and chemical properties

a. Appearance : Pellet.

Physical state : Solid.

Colour : White,Opaque.

b. Odour : Odourless.

c. Odour threshold	:	No data available
d. pH	:	No data available
e. Melting / freezing point	:	130 – 230 °C
f. Boiling point	:	No data available
g. Flash point	:	Not applicable
h. Evaporation rate	:	No data available
i. Flammability (solid, gas)	:	Non flammable,Test method UN Test N.1.
j. Upper / lower flammability or explosive limits	:	Not applicable
k. Vapour pressure	:	No data available
l. Solubility	:	No data available
m. Vapour density	:	No data available
n. Specific gravity density	:	No data available
o. Log Pow	:	No data available
p. Auto-ignition temperature	:	Not applicable
q. Decomposition temperature	:	> 230 °C
r. Viscosity, kinematic	:	Not applicable
r. Viscosity, dynamic	:	No data available
s. Molecular mass	:	No data available

SECTION 10 : Stability and reactivity

10.1. Chemical stability and Possibility of hazardous reactions

- The product is non-reactive under normal conditions of use, storage and transport.
- Stable under normal conditions.
- No dangerous reactions known under normal conditions of use.
- Hazardous polymerisation: Will not occur.
- When mixed with air and exposed to an ignition source, dust may burn in the open air or explode if confined.

10.2. Conditions to avoid

- Above a temperature of: 230ºC / 446 °F.
- Protect from moisture.
- Avoid raising powdered materials into airborne dust, creating an explosion hazard.

10.3. Incompatible materials

- Water, humidity.

10.4. Hazardous decomposition products

- Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 : Toxicological information

11.1. Information on exposure routes

Oral	:	Not classified
Skin and eyes contact	:	Not classified
Inhalation	:	Not classified

11.2. Health hazards information

Acute toxicity (oral):

Not classified

Acute toxicity (dermal):

Not classified

Acute toxicity (inhalation):

Not classified

Skin corrosion/irritation:

Not classified

Serious eye damage/irritation:

Not classified

Respiratory sensitization:

Not classified

Skin sensitization:

Not classified

Carcinogenicity:

Not classified

Mutagenicity:

Not classified

Reproductive toxicity:

Not classified

STOT-single exposure:

Not classified

STOT-repeated exposure:

Not classified

Aspiration hazard:

Not classified

Luminy PLA Neat resin (9051-89-2)	
Viscosity, kinematic	Not applicable

Polylactide resin (9051-89-2)	
Animal studies and expert judgment for classification	False

SECTION 12 : Ecological information

12.1. Ecotoxicity

Ecology - general	:	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short–term (acute) : Not classified

Hazardous to the aquatic environment, long–term (chronic) : Not classified

12.2. Persistence and degradability

Luminy PLA Neat resin (9051-89-2)	
Persistence and degradability	Hydrolyses in hot water. The hydrolysis product is readily biologically degradable. 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 data available

12.4. Mobility in soil

No data available

12.5. Other adverse effects

Ozone : Not classified

Other adverse effects : No additional information available

SECTION 13 : Disposal considerations

13.1. Disposal method

Dispose in a safe manner in accordance with local/national regulations.

Dispose of contents/container in accordance with licensed collector’s sorting instructions.

13.2. Disposal precaution

Dispose in a safe manner in accordance with local/national regulations.

Do not re-use empty containers without proper cleaning or reconditioning.

No data available

SECTION 14 : Transport information

UN RTDG	ADR	IMDG	IATA
14.1. UN number			
Not regulated for transport			
14.2. Proper Shipping Name			
Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No
No data available			

14.6. Special transport precautions

No data available

SECTION 15 : Regulatory information

15.1. Occupational Safety and Health Act

- Hazardous Substances Prohibited for Manufacturing	Not applicable
- Hazardous Substances Requiring Permission	Not applicable
- Threshold Limit Values Chemicals	Not applicable
- Hazardous Substances Below Permissible Level	Not applicable
- Hazardous Substances Subject to Working Environment Measurement	Not applicable
- Hazardous Substances Subject to Workers Requiring Health Examination	Not applicable
- Hazardous Substances Subject to Control	Not applicable
- Substance Subject to Submission of PSM	Not applicable

15.2. Chemicals Control Act (CCA) / K-REACH

- Substance Hazardous to Human Health and Environment	Not applicable
- Prohibited Substances	Not applicable
- Restricted Substances	Not applicable
- Substances Requiring Preparation for Accident	Not applicable

K-REACH inventories
No data available

15.3. Safety Control of Dangerous Substances Act

- Not applicable

15.4. Wastes Control Act

- Not applicable

15.5. Other Domestic and International Regulatory Information

Domestic
No data available

International
EU Regulatory Information

- EU restriction list (REACH Annex XVII)	Applicable

US Regulatory Information

- CERCLA Section 103 (40CFR302.4)	Not applicable
- EPCRA Section 302 (40CFR355.30)	Not applicable
- EPCRA Section 304 (40CFR355.40)	Not applicable
- EPCRA Section 313 (40CFR372.65)	Not applicable

International agreements
No data available

SECTION 16 : Other information

16.1. Data sources	:	No data available
16.2. Issue date	:	16/03/2017
16.3. Revision number and date	:	4.3, 04/02/2026
16.4. Other information	:	This SDS covers Luminy® PLA L-grades with the suffix BMB and RMB. Luminy® PLA BMB products are PLA grades where the principles of mass balance have been applied with respect to Bonsucro chain-of-custody certification. Luminy® PLA RMB products are PLA grades where the principles of mass balance have been applied to allocate the recycled PLA content in the products.

16.5. Indication of changes:

Regulatory information.