

Revision Date 29/08/2019 SAFETY DATA SHEET

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 Date previous version
 15/08/2018

 Version
 4.2 - EN

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

1.1. Product identifier

Product Name Luminy PDLA Neat resin

Trade name Luminy® D070

Luminy® D105 Luminy® D120 Luminy® D130

REACH Registration NumberNo 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, D-lactide: 01-2119516231-55-0002

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

Tel: +31 183 695695 Fax: +31 183 695604 Email: pla@total-corbion.com

1.4. Emergency telephone number

UK National Health Service (NHS) call 111 or, in life-threatening emergencies, call 999

WAL National Health Service (NHS) call 0845 46 47

IE National Poisons Information Centre +353 1 809 2566 or +353 1 837 9964 (only for healthcare professionals)

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
Polylactide 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 contactWash 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.

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 (CO₂).

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

Individual protection measures, such as personal protective equipment

Eye protection

Hand Protection

Skin and body protection

Respiratory protection

Recommended Filter Type

Tightly fitting safety goggles (EN166).

Protective gloves (EN374): Butyl rubber. Glove thickness: 0.5 mm. Break through time: >8 hours.

Long sleeved clothing.

In case of insufficient ventilation wear suitable respiratory equipment.

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
Flash point
Evaporation rate
Flammability (solid, gas)
Flammability Limits in Air
Vapour pressure
Vapour density

Not applicable
Not applicable
Not applicable
Not applicable
Not applicable

Relative density No information available

Solubility

Water solubility Insoluble
Partition Coefficient (n-octanol/water) Not applicable

Autoignition temperatureNo information availableDecomposition temperature> 230 °C / > 446 °FViscosity, dynamicNot applicableViscosity, kinematicNot applicableExplosive propertiesNot explosiveOxidising propertiesNot oxidizing

9.2 Other information

Density 1,2-1,3 g/cm³



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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

Acute toxicity

IngestionNo known effect.Skin contactNo known effect.InhalationNo known effect.

Skin corrosion/irritation No known effect.

Serious eye damage/irritation No known effect.

Respiratory or skin sensitisation No known effect.

Germ cell mutagenicityNot known to cause heritable genetic damage.

Carcinogenicity Contains no ingredient listed as a carcinogen.

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-single exposure No known effect.

STOT-repeated exposure No known effect.

Aspiration hazard 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

Decomposes in contact with water. Hydrolysis product (S-lactic acid): 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. CO00049 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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