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# SECTION 1 Chemical product and company identification

Chemical name (Chinese

se

: Luminy PDLA 纯树脂

Name)

Chemical name (English

Luminy PDLA Neat resin

name)

Name

: Luminy PDLA Neat resin

Trade name

Luminy® D070 Luminy® D105 Luminy® D120

Luminy® D130

Name of company

TotalEnergies Corbion BV

Address

The Netherlands Gorinchem Stadhuisplein 70

Zip code

4203 NS

Fax Tel. : +31 183 695 600 : +31 183 695 695

E-mail
Emergency number

pla@totalenergies-corbion.com +44 1865 407333 (CareChem24)

Operating hours 24 hours, 7 days a week

Recommended use

Plastic

Restrictions on use

Pharmaceuticals Medical device

### **SECTION 2 Hazards identification**

### **Emergency overview**

Pellet. White. Opaque. Odourless. Avoid dust formation. Avoid raising powdered materials into airborne dust, creating an explosion hazard. The product is non-reactive under normal conditions of use, storage and transport. For further information refer to section 8: "Exposure controls/personal protection"

### **GHS** classification

Health hazards : Acute toxicity (Oral) Not classified

Environmental hazards : Hazardous to the aquatic environment – Acute hazard Not

classified

: Hazardous to the aquatic environment - Chronic hazard Not

classified

Other hazards not mentioned above are Not applicable or No data is available.

### Label elements

No data available

#### Physical and chemical hazards

No additional information available

### **Health hazards**

Symptoms/effects : None known, Non-hazardous substance

**Environmental hazards** 



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No additional information available

### Other hazards

Warning

Potential dust explosion hazard

Dust may form explosive mixture in air

### **SECTION 3 Composition/information on ingredients**

**Product form** : Substance.

Name	CAS-No.	Concentration (Conc. (% w/w))
Polylactide resin	9051-89-2	> 99

### **SECTION 4 First aid measures**

### **Emergency**

First-aid measures after

inhalation

Remove person to fresh air and keep comfortable for

breathing.

First-aid measures after

skin contact

Wash skin with plenty of water

First-aid measures after

eye contact

Rinse eyes with water as a precaution

First-aid measures after

ingestion

Call a poison center or a doctor if you feel unwell

### **Most Important Symptoms/Effects**

None known

Non-hazardous substance

### Personal Protection in First Aid and Measures

No additional information available

### Notes for the doctor

Other medical advice or

treatment

Treat symptomatically

### **SECTION 5 Fire fighting measures**

### **Extinguishing media**

Suitable extinguishing media

: Water spray Dry powder

Unsuitable extinguishing

Foam

media

Do not use a solid water stream as it may scatter and spread fire

Special hazard

Hazardous decomposition products in case of fire

Under fire conditions, hazardous fumes will be present: Carbon

dioxide, Carbon monoxide, Acetaldehyde

Explosion hazard : Dust may form explosive mixture in air

# Advice for firefighters and protective measures

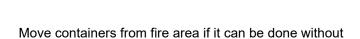
Firefighting instructions : Evacuate personnel to a safe area

Use water spray or fog for cooling exposed containers



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Prevent fire fighting water from entering the environment

Protection during firefighting

: Do not attempt to take action without suitable protective

equipment

personal risk

Self-contained breathing apparatus Complete protective clothing

#### **SECTION 6 Accidental release measures**

### Personal precautions, protective equipment and emergency procedures

Heat and ignition sources : No flames, no sparks. Eliminate all sources of ignition

General measures : No additional information available
Personal Precautions, : No additional information available
Protective Equipment and

For non-emergency personnel

**Emergency Procedures** 

Protective equipment : Wear recommended personal protective equipment

Emergency procedures : 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

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective

equipment

For further information refer to section 8: "Exposure

controls/personal protection"

**Environmental precautions** : Avoid release to the environment

Methods and Equipment for Containment and Cleaning up

Methods for cleaning : Avoid dust formation

Shovel or sweep up and put in a closed container for disposal

Flush contaminated areas with plenty of water

Use non-sparking tools

Never return spills in original containers for possible later re-

use

For containment : Stop leak without risks if possible

Avoid creating or spreading dust

**Prevention Measures for Secondary Accidents** 

Prevention Measures for Secondary Accidents

No flames, no sparks. Eliminate all sources of ignition

Other information : Dispose of materials or solid residues at an authorized site

# **SECTION 7 Handling and storage**

### Handling

Precautions for safe

Handle under inert gas. Protect from moisture.

handling Wear personal protective equipment
Avoid contact with skin and eyes



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Keep only in original container.

Do not eat, drink or smoke when using this product. Hygiene measures

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

Local and general

ventilation

No additional information available

Additional hazards when

processed

Dust may form flammable and explosive mixture with air

**Storage** 

Storage conditions Keep container tightly closed in a cool, well-ventilated place

Protect from moisture

Material used in packaging/containers No additional information available

Incompatible materials Water, humidity.

Storage temperature < 50 °C

Heat and ignition sources No flames, no sparks. Eliminate all sources of ignition

Storage area Store according to local legislation

### **SECTION 8 Exposure controls / Personal protection equipment**

#### **Occupational Exposure Limits**

No additional information available

### **Biological limit values**

No additional information available

### **Monitoring methods**

No additional information available

Appropriate engineering

controls

Ensure good ventilation of the work station

Assess the risk of potentially explosive atmospheres and the

need for explosion-proof equipment.

Personal protective 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

Do not breathe dust.

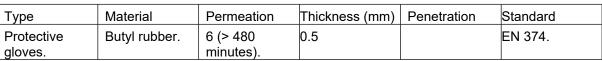
Hand protection Protective gloves



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Eye protection : Safety glasses with side shields

Туре	Field of application	Characteristics	Standard
Safety glasses with	Dust.		EN 166.
side shields.			

Skin and body protection : Long sleeved protective clothing

Туре	Standard
Long sleeved protective clothing.	

Respiratory protection : No respiratory protection needed under normal use conditions

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

DeviceFilter typeConditionStandardDust mask.(FFP2).Dust protection.EN 149.

Personal protective equipment symbol(s)







### SECTION 9 Physical and chemical properties

Physical state : Solid
Appearance : Pellet

Colour: White,OpaqueOdour: Odourless

pH : No data available

Melting point : 150 – 230 °C

Freezing point : Not applicable

Boiling point : Not applicable

Flash point : Not applicable

Auto-ignition temperature : Not applicable

Decomposition temperature : > 230 °C.

Flammability : Non flammable.

Vapour pressure : No data available

Relative vapour density at 20 : No data available

°C

Density : 1.2 – 1.3 g/cm³

Solubility : insoluble in water.

Partition coefficient n- : No data available

octanol/water (Log Pow)

Viscosity, kinematic : Not applicable

Explosive limits (vol %) : Not applicable

Lower explosion limit : No data available





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Radioactive No

**Explosive properties** Not explosive **Dust deflagration index** Not applicable

### SECTION 10 Stability and reactivity

The product is non-reactive under normal conditions of use, Reactivity

storage and transport

Chemical stability Stable under normal conditions

Possibility of hazardous No dangerous reactions known under normal conditions of use reactions 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

Conditions to avoid Above a temperature of: 230 °C / 446 °F. Protect from

moisture. Avoid raising powdered materials into airborne dust,

creating an explosion hazard

Water, humidity Incompatible materials

Hazardous decomposition

products

Under normal conditions of storage and use, hazardous

decomposition products should not be produced

Other properties No additional information available

### SECTION 11 Toxicological information

#### **Acute toxicity**

Acute toxicity (oral) Not classified. No data available Acute toxicity (dermal) Acute toxicity (inhalation) No data available

Skin corrosion/irritation

Skin corrosion/irritation No data available

Serious eye damage/irritation

Serious eye damage/irritation No data available

Respiratory or skin sensitisation

Respiratory or skin sensitisation No data available

Germ cell mutagenicity

No data available Germ cell mutagenicity

Carcinogenicity

Carcinogenicity No data available

Reproductive toxicity

No data available Reproductive toxicity

### STOT-single exposure





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STOT-repeated exposure

STOT-repeated exposure : No data available

**Aspiration hazard** 

Aspiration hazard : No data available

Luminy PDLA Neat resin	
Viscosity, kinematic	Not applicable
Density	1.2 – 1.3 g/cm³

### **SECTION 12 Ecological information**

## **Ecotoxicity**

Ecology - general : The product is not considered harmful to aquatic organisms

nor to cause long-term adverse effects in the environment. Not classified.

Hazardous to the aquatic environment, short–term (acute)

Hazardous to the aquatic environment, long–term

(chronic)

Not classified.

No additional information available

### Persistence and degradability

Luminy PDLA Neat resin		
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.	

### Bioaccumulative potential

No additional information available

#### Mobility in soil

No additional information available

### Other adverse effects

Classification procedure

No data available

(Ozone)

### Results of PBT and vPvB assessment

PBT : This substance/mixture does not meet the PBT criteria of

REACH regulation, annex XIII

vPvB : This substance/mixture does not meet the vPvB criteria of

REACH regulation, annex XIII

### **SECTION 13 Disposal considerations**

Waste treatment methods : Dispose of contents/container in accordance with licensed

collector's sorting instructions.



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Contaminated container and

packaging

: No additional information available

No additional information available

Product/Packaging disposal

**Additional information** 

recommendations

Dispose in a safe manner in accordance with local/national

regulations

Do not re-use empty containers without proper cleaning or

reconditioning

Regional legislation (waste) : Dispose in a safe manner in accordance with local/national

regulations

### **SECTION 14 Transport information**

Overland transport (JT/T 617)	Transport by sea	Air transport
UN number		
Not regulated	Not regulated	Not regulated
Proper shipping name		
Not regulated	Not regulated	Not regulated
Transport document description		
Not regulated	Not regulated	Not regulated
Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
Not regulated	Not regulated	Not regulated
Packing group		
Not regulated	Not regulated	Not regulated
Environmental hazards		
Not regulated	Not regulated	Not regulated

### Special transport precautions

Overland transport (JT/T 617)

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

## **SECTION 15 Regulatory information**

New Chemical Substance Environmental Management Registration Measures (MEE Order 12 of 2020)

Inventory of Existing Chemical Substances in China (IECSC)

: Contains listed substance(s)

1,4-Dioxane-2,5-dione, 3,6-dimethyl-, (3R,6R)-, polymer with rel-(3R,6S)-

3,6-dimethyl-1,4-dioxane-2,5-dione and (3S,6S)-3,6-dimethyl-1,4-

dioxane-2,5-dione (9CI) (CAS-No. 9051-89-2)



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### **SECTION 16 Other information**

### Abbreviations and acronyms

BCF Bioconcentration factor
DNEL Derived-No Effect Level

EC50 Median effective concentration

IMDG International Maritime Dangerous Goods

LC50 Median lethal concentration

NOEC No-Observed Effect Concentration

NOAEL No-Observed Adverse Effect Level

PBT Persistent Bioaccumulative Toxic

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No

1907/2006

TLM Median Tolerance Limit
STP Sewage treatment plant
SDS Safety Data Sheet

OECD Organisation for Economic Co-operation and Development

vPvB Very Persistent and Very Bioaccumulative

**Training advice** : Ensure staff are informed of and trained on the nature of exposure

and basic actions to minimise exposure.

#### Indication of changes

Address

Logo

TotalEnergies Corbion SDS CN (GB/T 17519-2013)

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