

SAFETY DATA SHEETS

According to the REACH Regulation (EU) No. 1907/2006 amended by Regulation (EU) 2020/878

Creation Date: Jan. 21, 2026
Revision Date: Jan. 21, 2026
SDS number:PL-PLA-001-EU

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

1.1. Product identifier

Product name Polymaker™ PLA Pro
Nanoform nanoform is Not covered by this product

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

Relevant identified uses 3D Printing Filament
Uses advised against no data available
Reason why uses advised against no data available

1.3. Details of the supplier of the safety data sheet

Details of the supplier
Company JF Polymers(Suzhou) Co., Ltd.
Address No.7-1, Xingang East Road, Changshu City, Jiangsu Province, China
Telephone +86-512-52058005
Email support@Polymaker.com

1.4. Emergency telephone number

Emergency telephone number +86-512-52058005
Opening hours Monday to Friday, 9 am-5 pm (Standard time zone: UTC/GMT+8 hours).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EC) No 1272/2008 (CLP)

Not classified.

2.1.2. Additional information

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictogram(s) No symbol.
Signal word No signal word
Hazard statement(s) none
Precautionary statement(s) none
Supplemental Hazard information no data available

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances/Mixtures : article

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Chemical name	CAS number	EC number	Classification according to Regulation (EC)No 1278/2008(CLP)	% [weight]	SCL, M-factor, ATE
Polylactic acid	/	-	Not classified.	70-90	-
Calcium carbonate	471-34-1	207-439-9	Not classified.	1-5	-

Additional information for nanoforms
not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

Following inhalation

Move the victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and consult a doctor immediately. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical.

Following skin contact

Take off contaminated clothing immediately. Wash off with soap and plenty of water. Consult a doctor.

Following eye contact

Rinse with pure water for at least 15 minutes. Consult a doctor.

Following ingestion

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.

Self-protection of the first aider

Wear protective equipment. Consult a doctor.

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

The product is not classified as harmful to human health effect.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use dry chemical, carbon dioxide.

Unsuitable extinguishing media

no data available

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

no data available

5.3. Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing mist, gas or vapours. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

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6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public water.

6.3. Methods and materials for containment and cleaning up

Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

6.4. Reference to other sections

For disposal suggestions see section 13. For exposure controls / personal protection suggestions see section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling in a well ventilated place. Wear suitable protective clothing. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

7.2. Conditions for safe storage, including any incompatibilities

Store the container tightly closed in a dry, cool and well-ventilated place. Store apart from foodstuff containers or incompatible materials.

7.3. Specific end use(s)

Main uses of the chemical are mentioned in section 1.2. No other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure limit values

Component	calcium carbonate			
CAS No.	471-34-1			
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m ³	ppm	mg/m ³
France		10 inhalable aerosol		
Hungary		10 inhalable aerosol		
Ireland		10 (1)		
		4 (2)		
New Zealand		10 (1)		
Poland		10		
Switzerland		3 respirable aerosol		
United Kingdom		10 inhalable aerosol		
		4 respirable aerosol		
	Remarks			
Ireland	(1) Inhalable fraction (2) Respirable fraction			
New Zealand	(1) The value for inhalable dust containing no asbestos and less than 1% free silica.			

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk- elimination area.

8.2.2. Individual protection measures, such as personal protective equipment

- Eye/face protection

Wear tightly fitting safety goggles if necessary.

- Skin protection

No special protection required.

- Respiratory protection

If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator.

- Thermal hazards

no data available

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8.2.3. Environmental exposure controls

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid.
Colour	Various colors.
Odour	not applicable
Melting point/freezing point	150-170° C.
Boiling point or initial boiling point	not applicable
Flammability	not flammable
Lower and upper explosion limit	no data available
Flash point	not applicable
Auto-ignition temperature	not applicable
Decomposition temperature	not applicable
pH	not applicable
Kinematic viscosity	not applicable
Solubility	not applicable
Partition coefficient n-octanol/water	not applicable
Vapour pressure	not applicable
Density and/or relative density	not applicable
Relative vapour density	1,2-1,3g/cm ³
Solubility(H ₂ O)	insoluble
VOC(EC)	no data available
Particle characteristics	no data available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Not classified as hazardous

9.2.2. Other safety characteristics

no data available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Incompatible materials. Extreme temperature.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂)

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

L50 (Oral, Rat) : Not available

L50 (Dermal, Rat) : Not available

L50 (Inhalation, Rat) : Not available

Skin corrosion/irritation

Not classified

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Serious eye damage/irritation

Not classified

Respiratory or skin sensitization

Not classified

Germ cell mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

Summary of evaluation of the CMR properties

Not classified

STOT-single exposure

Not classified

STOT-repeated exposure

Not classified

Aspiration hazard

Not classified

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

The substance/mixture has no endocrine disrupting properties.

11.2.2. Other information

no data available

SECTION 12: Ecological information

12.1. Toxicity

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

12.2. Persistence and degradability

no data available

12.3. Bioaccumulative potential

no data available

12.4. Mobility in soil

no data available

12.5. Results of PBT and vPvB assessment

This mixture does not meet the PBT criteria of REACH regulation, annex XIII 12.6.

12.6 Endocrine disrupting properties

The mixture has no endocrine disrupting properties.

12.7. Other adverse effects

no data available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

SECTION 14: Transport information

14.1. UN number or ID number

ADR/RID: Not dangerous goods.

IMDG: Not dangerous goods.

IATA: Not dangerous goods.

14.2. UN proper shipping name

ADR/RID: Not dangerous goods.

IMDG: Not dangerous goods.

IATA: Not dangerous goods.

14.3. Transport hazard class(es)

ADR/RID: Not dangerous goods.

IMDG: Not dangerous goods.

IATA: Not dangerous goods.

14.4. Packing group

ADR/RID: Not dangerous goods.

IMDG: Not dangerous goods.

IATA: Not dangerous goods.

14.5. Environmental hazards

ADR/RID: No

IMDG: No

IATA: No

14.6. Special precautions for user

Read safety instructions, SDS and emergency procedures before handling.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

This product is not applicable.

Chemical name	Common names and synonyms	CAS number	EC number
-	PLA pellets	/	-
Chemical name	Common names and synonyms	CAS number	EC number
Calcium carbonate	calcium carbonate	471-34-1	207-439-9
European Inventory of Existing Commercial Chemical Substances (EINECS)			Listed.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture.

SECTION 16: Other information

Abbreviations and acronyms

- CAS: Chemical Abstracts Service
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- RID: Regulation concerning the International Carriage of Dangerous Goods by Rail

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- IMDG: International Maritime Dangerous Goods
- IATA: International Air Transportation Association
- TWA: Time Weighted Average
- STEL: Short term exposure limit
- LC50: Lethal Concentration 50%
- LD50: Lethal Dose 50%
- EC50: Effective Concentration 50%

This information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.