

SAFETY DATA SHEETS

According to American OSHA Hazard Communication Standard (29 CFR 1910.1200)

Creation Date: Jan. 22, 2026
Revision Date: Jan. 22, 2026
SDS number: PL-PLA-001-US

1. Identification

1.1 Product identifier used on the label

Product name Polymaker PLA Pro

1.2 Other means of identification

Product number -
Other names -

1.3 Recommended use of the chemical and restrictions on use

Identified uses 3D Printing Filament
Uses advised against no data available

1.4 Details of the supplier of the safety data sheet

Details of suppliers in the United States

Company PolyMelt Manufacturing Inc.
Address 12515 Citypark Dr Missouri City, Texas 77489
Telephone +1 346 955 1536

Details of suppliers outside the United States

Company JF Polymers(Suzhou) Co., Ltd.
Address No.7-1, Xinggang East Road, Changshu City, Jiangsu Province, China
Telephone +86-512-52058005

1.5 Emergency phone number

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

2. Hazard identification

2.1 Classification of the chemical in accordance with paragraph (d)(1)(i) of § 1910.1200

not classified as hazardous

2.2 Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of § 1910.1200

Hazard symbol(s) No symbol
Signal word No signal
Hazard statement(s) word none
Precautionary statement(s)
Prevention none
Response none
Storage none

2.3 Hazards classified under paragraph (d)(1)(ii) of § 1910.1200

not classified as hazardous

2.4 Hazards not otherwise classified that have been identified during the classification process

not classified as hazardous

3. Composition/information on ingredients

3.1 substance/mixture: article

Chemical name	Common names and synonyms	CAS number	EC number	% [weight]
polylactic acid	PLA pellets	/	/	70-90
Calcium carbonate	Calcium carbonate	471-34-1	207-439-9	1-5

4. First aid measures

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4.1 Description of necessary 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.

4.2 Most important symptoms/effects, acute and delayed

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

5. Fire-fighting measures

5.1 Suitable (and unsuitable) extinguishing media

Suitable extinguishing media

Use dry chemical, carbon dioxide or alcohol-resistant foam.

Unsuitable extinguishing media

no data available

5.2 Specific hazards arising from the chemical

Hazardous combustion products

carbon oxides

5.3 Special protective equipment and precautions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing mist, gas or vapors. Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

6.2 Methods and materials for containment and cleaning up

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.

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.

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.

8. Exposure controls/personal protection

8.1 Control parameters

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Occupational Exposure limit values

Component	Calcium carbonate			
CAS No.	471-34-1			
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m³	ppm	mg/m³
Canada - Québec		10		
USA - OSHA		15 total dust		
		5 respirable dust		

Biological limit values

no biological exposure limits noted for the ingredients.

8.2 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.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Wear tightly fitting safety goggles if necessary.

Skin protection

No special protection required. wear gloves if necessary.

Body Protection

wash hands, forearms and face after handling chemical products, before eating and somoking.

Respiratory protection

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

Thermal hazards

wear suitable protective workwear to prevent from thermal hazards

9. Physical and chemical properties

Physical state	Solid.
Color	various colours.
Odor (includes odor threshold)	not applicable
Melting point/freezing point	150-170°C
Boiling point (or initial boiling point or boiling range)	not applicable
Flammability not applicable	not flammable
Lower and upper explosion limit/flammability limit	no data available
Flash point	not applicable
Auto-ignition temperature	not applicable
Decomposition temperature	no data available
pH	not applicable
Kinematic viscosity	not applicable
Solubility	not applicable
Partition coefficient n-octanol/water	not applicable
Density and/or relative density	1,2-1,3g/cm ³
Relative vapor density	no data available
Particle characteristics	no data available

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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, including those associated with foreseeable emergencies

No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid

Incompatible materials.

10.5 Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

10.6 Hazardous decomposition products

Carbon oxides (CO, CO₂)

11. Toxicological information

11.1. Information on the likely routes of exposure

no data available

11.2. Symptoms related to the physical, chemical, and toxicological characteristics

This product has no known adverse effect on human health

11.3. Delayed and immediate effects and also chronic effects from short- and long-term exposure

no data available

11.4. Numerical measures of toxicity

Acute toxicity

L50 (Oral, Rat) : Not available

L50 (Dermal, Rat) : Not available L50 (Inhalation, Rat) : Not available

Skin corrosion/irritation

no data available

Serious eye damage/irritation

Not classified

Respiratory or skin sensitization

Not classified

Germ cell mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

STOT-single exposure

Not classified

STOT-repeated exposure

Not classified

Aspiration hazard

Not classified

11.5. Interactive effects

no data available

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12. Ecological information

12.1 Ecotoxicity

- Toxicity to fish: N/A
- Toxicity to daphnia and other aquatic invertebrates: N/A
- Toxicity to algae: N/A
- Toxicity to microorganisms: N/A

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 Other adverse effects

no data available

13. Disposal considerations

13.1 Disposal methods

Product

Dispose of contents/containers in accordance with local regulations. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

14.1 UN 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, if applicable

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 Transport in bulk according to IMO instruments

no data available

14.7 Special precautions for user

no data available

15. Regulatory information

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15.1 Safety, health and environmental regulations specific for the product in question

Chemical name	Common names and synonyms	CAS number	EC number
[Name confidential or not available]	PLA pellets	25038-91-9	607-509-2
United States Toxic Substances Control Act (TSCA) Inventory			Listed.
California Prop. 65 Components			Not Listed.
New Jersey Right To Know - Right to Know Hazardous Substance List (RTKHSL)			Not Listed.
Massachusetts Right To Know - MASSACHUSETTS SUBSTANCE LIST (MSL)			Not Listed.
Pennsylvania Right To Know - HAZARDOUS SUBSTANCE LIST			Not Listed.
Chemical name	Common names and synonyms	CAS number	EC number
Calcium carbonate	Calcium carbonate	471-34-1	207-439-9
United States Toxic Substances Control Act (TSCA) Inventory			Listed.
California Prop. 65 Components			Not Listed.
New Jersey Right To Know - Right to Know Hazardous Substance List (RTKHSL)			Not Listed.
Massachusetts Right To Know - MASSACHUSETTS SUBSTANCE LIST (MSL)			Not Listed.
Pennsylvania Right To Know - HAZARDOUS SUBSTANCE LIST			Not Listed.

16. Other information

Information on revision

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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
- 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%

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.