1. Product and Company Identification

**Material name:** PolyLite™ PLA
**CAS #:** See section 3
**Product code:** -
**Product use:** 3D Printing Filament

**Manufacturer/Supplier**
- **Supplier(Manufacturer):** JF Polymers (Suzhou) Co., Ltd.
- **Address:** Haicheng Industrial Park, Bldg 7, Changshu Economic Development Zone (CEDZ), Changshu, Jiangsu Province 215513, China
- **Contact person(E-mail):** zhenggang.cai@polymaker.com
- **Telephone:** +86-512-52058005
- **Fax:** -

**Emergency telephone Number:** +86-512-52058005

2. Hazards Identification

**GHS classification**
- **Physical hazards:** Not classified
- **Health hazards:** Not classified
- **Environmental hazards:** Not classified

**GHS label elements**
- **Hazard Pictograms:** No hazard pictogram is used.
- **Signal word:** No signal word is used.
- **Hazard statement:** Not applicable.

**Precautionary statement**
- **Prevention:** Not applicable.
- **Response:** Not applicable.
- **Storage:** Not applicable.
- **Disposal:** Not applicable.
- **Other hazards:** Not available.

3. Composition / Information on Ingredients

This product does not contain hazardous ingredients above cut-off value according to HCS2012.

4. First Aid Measures

**First aid procedures**

- **Eye contact:** None expected to require first aid measures. Flush with running water for at least 15 minutes. If irritation persists get medical attention.
- **Skin contact:** None expected to require first aid measures. Wash thoroughly with soap and water. Get medical attention in the unlikely event that irritation persists.
- **Inhalation:** None expected to require first aid measures. If breathed in, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical attention.
- **Ingestion:** Immediate first aid is not likely to be required. A physician or poison control center can be contacted for advice.
Notes to physician

Treat symptoms.

5. Fire Fighting Measure

Flammable properties
Not available.

Extinguishing media

Suitable extinguishing media
Use extinguishers suitable for surrounding fire.

Unsuitable extinguishing media
Not available.

Firefighting equipment/instructions
Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products
Carbon oxides.

6. Accidental Release Measures

Personal precautions
Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions
Avoid disposing into drainage/sewer system or directly into the aquatic environment.

Methods for cleaning up
Sweep up and shovel into suitable containers. Clean up affected area.

7. Handling and Storage

Handling
Ensure good ventilation/exhaustion at the workplace. Wash thoroughly after handling.

Storage
Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. Exposure Controls / Personal Protection

Occupational exposure limits
This product has no PEL, TLV, or other recommended exposure limit.

Biological limit values
No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls:
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Individual protection measures, such as personal protective equipment:

Eye / face protection
No special protection required.

Skin protection
No special protection required.

Respiratory protection
No special protection required.

General hygiene considerations
Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

9. Physical & Chemical Properties

Appearance

Physical state
Solid

Form
Solid

Color
Various

Odor
Odorless

Odor threshold
Not available

pH
Not available

Vapor pressure
Not available

Vapor density
Not available

Boiling point
Not available

Melting point/Freezing point
170°C

Solubility (water)
Insoluble
Relative Density 1.20
Flash point Not available
Partition coefficient Not available
Flammability limits in air, upper, % by volume Not available
Flammability limits in air, lower, % by volume Not available
Auto-ignition temperature Not available
VOC Not available
Percent volatile Not available
Molecular Formula Not available
Molecular Weight Not available
Other data
   Viscosity Not available
   Dissociation constant Not available

10. Chemical Stability & Reactivity Information
Reactivity The substance is stable under normal storage and handling conditions.
Chemical stability Material is stable under normal conditions.
Conditions to avoid Incompatible materials.
Incompatible materials Strong oxidizing agents.
Hazardous decomposition products Carbon oxides.
Possibility of hazardous reactions No hazardous reactions known.

11. Toxicological Information
Toxicokinetics, metabolism and distribution:
   Non-human toxicological data: Not available
Information on toxicological effects:
   Acute toxicity:
   LD50(Oral, Rat): Not available
   LD50(Dermal, Rabbit): Not available
   LC50(Inhalation, Rat): Not available
   Skin corrosion/irritation: Not classified
   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

12. Ecological Information
Toxicity:

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<th>Method</th>
<th>Evaluation</th>
<th>Remarks</th>
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<td>LC50</td>
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<td>72h</td>
<td>Algae</td>
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</tr>
</tbody>
</table>

Persistence and degradability: Not available.
Bioaccumulative potential: Not available.
Mobility in soil: Not available.
Results of PBT&vPvB assessment: Not available.
Other adverse effects: Not available.

13. Disposal Considerations

Disposal instructions Dispose of contents/container in accordance with local/regional/national/international regulations.

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

14. Transport Information

DOT

Basic shipping requirements:
- UN number Not regulated
- Proper shipping name Not regulated
- Hazard class Not regulated
- Packing group Not regulated
- Environmental hazards No

IATA
- UN number Not regulated
- UN proper shipping name Not regulated
- Transport hazard class(es) Not regulated
- Packing group Not regulated
- Environmental hazards No

IMDG
- UN number Not regulated
- UN proper shipping name Not regulated
- Transport hazard class(es) Not regulated
- Packing group Not regulated
- Environmental hazards No

15. Regulatory Information

US federal regulations
- Toxic Substances Control Act (TSCA)
  TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.
- CERCLA Hazardous Substance List (40 CFR 302.4) Not listed.
- SARA 304 Emergency release notification Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
- SARA 302 Extremely hazardous substance Not listed.
- SARA 311/312 Hazardous chemical No
- SARA 313 (TRI reporting) Not regulated.
Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

16. Other Information

HMIS®ratings
Health: 0
Flammability: 1
Physical hazard: 0

NFPA ratings
Health: 0
Flammability: 1
Instability: 0

Disclaimer
The information in the sheet was written based on the best knowledge and experience currently available.

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