

Version 1.0

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SDS record number: CSSS-TCO-010-132055

1. Identification

| | |
|-----------------------------|--|
| Product name | PolySmooth™ |
| Synonyms | - |
| CAS # | See section 3 |
| Product code | - |
| Product use | 3D Printing Filament |
| Manufacturer/Supplier | |
| Supplier(Manufacturer): | JF Polymers (Suzhou) Co., Ltd. |
| Address: | Building 6&7&11, No.2, Hai Cheng Road, Chang Shu Economic & Technological Development Zone, 215513, People's Republic of China |
| Contact person(E-mail): | zhenggang.cai@polymaker.com |
| Telephone: | +86-512-52058005 |
| Fax: | - |
| Emergency telephone Number: | +86-512-52058005 |

2. Hazard(s) 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. |

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 | Flush with running water for at least 15 minutes. If irritation persists get medical attention. |
| Skin contact | Wash thoroughly with soap and water. Get medical attention in the unlikely event that irritation persists. |
| Inhalation | 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 measures | |
| Flammable properties | Not available. |
| Extinguishing media | |
| Suitable extinguishing media | Use water spray, alcohol resistant foam, dry powder or carbon dioxide to extinguish the fire. |
| Unsuitable extinguishing media | Avoid using DC water to extinguish fire, so as to avoid material splashes and fire spread. |
| Firefighting equipment/instructions | In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire Full protection, if necessary. Dispose of contaminated extinction water according to official regulations. |
| Hazardous combustion products | Carbon oxides, nitrogen oxides. |
| 6. Accidental release measures | |
| Personal precautions | Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Avoid contact with skin and eyes. For personal protection see section 8. |
| 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. |
| 8. Exposure controls / personal protection | |
| Occupational exposure limits | This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit. |
| Biological limit values | No biological exposure limits noted for the ingredient(s). |
| Appropriate engineering controls: | Use in a well-ventilated area. |
| Individual protection measures, such as personal protective equipment: | |
| Eye / face protection | Chemical safety goggles. |
| Skin protection | Wear suitable protective clothing to prevent skin exposure |
| Respiratory protection | Suitable respiratory protective device recommended. |
| 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. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. |
| 9. Physical and chemical properties | |
| Appearance | |
| Physical state | Solid |
| Form | Solid |
| Color | Translucent |
| Odor | Odorless |

| | |
|---|---------------|
| Odor threshold | Not available |
| pH | Not available |
| Vapor pressure | Not available |
| Melting point/Freezing point | Not available |
| initial boiling point and boiling range | Not available |
| Flash point | Not available |
| Evaporation rate | Not available |
| Flammability (solid, gas) | Not available |
| Explosion limits | Not available |
| Vapor density | Not available |
| Density | 1.08-1.10 |
| Solubility (water) | Insoluble |
| Partition coefficient | Not available |
| Auto-ignition temperature | Not available |
| Decomposition temperature | Not available |
| Specific gravity | Not available |
| Flammability limits in air, upper, %by volume | Not available |
| Flammability limits in air, lower, % by volume | Not available |
| VOC | Not available |
| Percent volatile | Not available |
| Other data | |
| Viscosity | Not available |
| Upper/lower explosive limits | Not available |
| Surface tension | Not available |

10. Stability and reactivity

| | |
|---|--|
| Chemical stability | Material is stable under normal conditions. |
| Conditions to avoid | Incompatible materials. |
| Incompatible materials | Avoid contact with other chemicals, oxidizing agents, strong alkalis and strong acids. |
| Hazardous decomposition products | Carbon oxides, nitrogen oxides. |
| Possibility of hazardous reactions | No dangerous 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, Rat): | 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:

| Acute toxicity | | Time | Species | Method | Evaluation | Remarks |
|----------------|-----|------|---------|----------|------------|---------|
| EC50 | N/A | 72h | Fish | OECD 203 | N/A | N/A |
| EC50 | N/A | 48h | Daphnia | OECD 202 | N/A | N/A |
| EC50 | N/A | 72h | Algae | OECD 201 | N/A | N/A |

Persistence and degradability: Not available.

Bioaccumulative potential: Not available.

Mobility in soil: Not available.

Results of PBT&vPvB assessment: Not available.

Other adverse effects: No known significant effects or critical hazards.

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.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

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, including date of preparation or last revision

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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