Safety Data Sheet

INTAMSYS SP3054 Filament Version 01

Section 1: Product and company identification

1. Identification of the material
INTAMSYS SP3054 Filament

2. Identified Uses
Used primarily for extrusion-based 3D printing processes

3. Manufacturer information
Manufacturer:
INTAMSYS TECHNOLOGY CO., LTD.
Address:
1&4F, Building 2, No.24&26, Gubo Road Pudong New District, Shanghai, China
Tel/Fax:
+86 021 58465932 / +86 021 58463623

4. Emergency contact number
Emergency telephone number:
+86 021 58465932; or call LOCAL POISON CONTROL CENTER

Section 2: Hazards identification

1. GHS Classification
Not classified.

2. Label elements
Symbols/Pictograms: None
Signal word: None
Hazard Statements: Not classified
Precautionary Statements Prevention: None
Response: None
Storage: None
Disposal: None.

3. Hazards not otherwise classified (HNOC)
No information available.

4. Unknown acute toxicity
No information available.

Section 3: Composition/information on ingredients

1. Substances
The exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4: First aid measures

1. Description of first aid measures

1.1. Inhalation

Move exposed person to fresh air. Keep person warm and at rest. Get medical attention if symptoms occur. Loosen tight clothing such as a collar, tie, belt or waistband.

1.2. Skin contact

Molten material can cause severe burns. Do NOT try to peel molten polymer from the skin. Cool rapidly with water. Wash with soap and water. Get medical attention if symptoms occur.

1.3. Eye contact

Particles or fibers may cause slight discomfort similar to getting dust in the eye. Remove particles by irrigating with eye wash solution or clean water, holding the eyelids apart. Check for and remove any contact lenses. Get medical attention if irritation occurs.

1.4. Ingestion

Wash out mouth with water. Move exposed person to fresh air. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person.

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

Burns resulted from contacting or handling heated/molten materials

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

Provide general supportive measures and treat symptomatically.

Section 5: Fire-fighting measures

1. Suitable extinguishing media

SMALL FIRE: Use dry chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

2. Special hazards arising from the substance or mixture

No specific hazard.

3. Advice for fire fighters

Follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Use standard firefighting procedures and consider the hazards of other involved materials. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6: Accidental release measures

1. Personal precautions, protective equipment and emergency procedures

Lab coat. Impervious gloves. Safety glasses with side shields.

2. Environmental precautions

Collect product for recovery or disposal. Notify applicable government authority if release is reportable or could adversely affect the environment.

3. Methods and materials for containment and cleaning up

If emergency personnel are unavailable, carefully scoop up spilled materials and use a non-sparking or explosion-proof means to transfer material to an appropriate container for disposal by incineration.

Section 7: Handling and storage

1. Precautions for safe handling

Use normal good industrial hygiene and housekeeping practices. Take precautionary measures against static discharges. Take precautionary measures against static discharges.

2. Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep away from heat, sparks and flames. Keep containers closed. Avoid moisture contamination. Transferring dry pellets or granules between containers or charging into solvents can cause a build-up of static electricity which can be sufficient to cause fires and/or explosions in the presence of flammable materials. Equipment should provide a means of dissipating any charges that may develop.

Section 8: Exposure controls/personal protection

1. Control parameters

Exposure Limits:
None established

2. Engineering controls

Provide appropriate exhaust ventilation at places where dust is formed or the material is molten, such as during printing.

3. Personal protective equipment

Wear gloves when handling hot/molten material.

Section 9: Physical and chemical properties

1. Information on basic physical and chemical properties

Appearance: Filament, Solid
Color: Different according to coloration
Odor: Odorless
Odor threshold: Not available
Softening point: Not available
Boiling point: Not applicable
Flash point: Not applicable
Evaporation rate: Not applicable
Flammability: Not available
Upper/lower flammability or explosive limits: Not available
Vapor pressure: Not applicable
Vapor density: Not applicable
Relative density: 1.26 g/cm^3
Water Solubility: Insoluble
Partition coefficient (n-octanol/water): No available
Auto-ignition temperature: Not available
Decomposition temperature: Not available
Viscosity: Not applicable

Section 10: Stability and reactivity

1. Reactivity

The product is stable.

2. Chemical stability
Material is stable under normal conditions.

3. Possibility of hazardous reactions
Hazardous polymerization does not occur.

4. Conditions to avoid
Avoid extreme heat. Avoid all sources of ignition: heat, sparks, open flames, etc.

5. Incompatible materials
Not available.

6. Hazardous decomposition products
Unlikely under normal industrial use. If the product is heated to temperatures excessively higher than those recommended on the technical data sheet, thermal decomposition is possible. Combustion products may include: carbon oxides (CO, CO2).

Section 11: Toxicological information

1. Likely routes of exposure
Inhalation:
Non-irritating to the respiratory system.
Skin contact:
Non-irritating. Molten polymer will adhere to skin causing deep thermal burns.
Eye contact:
May cause physical abrasion in contact with eyes. Molten polymer will cause serious burns to the eyes.
Ingestion:
Not hazardous in normal industrial use.

2. Symptoms
Dust may irritate throat and respiratory system and cause coughing. Direct contact with eyes may cause temporary irritation.

3. Information on toxicological effects
Acute toxicity: Not available.
Skin corrosion/irritation: Dust may irritate skin.
Serious eye damage/eye irritation: Dust may irritate the eyes. Exposed may experience eye tearing, redness, and discomfort.
Respiratory sensitization: Not classified.
Skin sensitization: Not a skin sensitizer.
Germ cell mutagenicity: Not expected to be mutagenic.

Carcinogenicity: The ingredients of this product are not classified as carcinogenic by ACGIH or IARC, not regulated as carcinogens by OSHA, and not listed as carcinogens by NTP.
Reproductive toxicity: Not classified.
Specific target organ toxicity - single exposure: No data available
Specific target organ toxicity - repeated exposure: No data available
Aspiration hazard: Due to the physical form of the product it is not an aspiration hazard.
Mixture versus substance information: Not applicable.
Other information: Pre-existing skin and respiratory conditions including dermatitis, asthma and chronic lung disease might be aggravated by exposure.

Section 12: Ecological information

1. Toxicity

Fishes: Not available.
Algae: Not available.

2. Persistence and degradability

No data available.

3. Bioaccumulative potential

No data available.

4. Mobility in soil

Not available.

5. Other adverse effects

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Section 13: Disposal considerations

Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked. A Hierarchy of Controls seems to be common - the user should investigate:

- Reduction
- Reuse
- Recycling
- Disposal (if all else fails)

This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use.

Section 14: Transport information

UN/ID No.: Not regulated
UN Proper shipping name: Not regulated
IMDG Code: Not regulated
Hazard Class: Not regulated
Packing Group: Not regulated
Special precautions: No information available
Marine pollutant: Non-marine pollutant.

Section 15: Regulatory information

REGULATIONS
The product needs to follow local regulations.

Section 16: Other information

Safety Data Sheet

Revision information

Date of this revision: July 17, 2026

Declare to reader

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