

Section 1: Product and company identification

1. Identification of the material

INTAMSYS PEEK-CF Filament

2. Identified Uses

Used primarily for extrusion-based 3D printing processes

3. Manufacturer information

Manufacturer:

INTAMSYS TECHNOLOGY CO., LTD.

Address:

Building E11, 3188 Xiupu Road, Pudong New Area, 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

Safety Data Sheet

1. Substances

Chemical Name	CAS No.	Weight (%)
Poly(oxy-1,4-phenyleneoxy-1,4-phenylenecarbonyl-1,4-phenylene)	31694-16-3	90
Carbon fiber	7440-44-0	10

Section 4: First aid measures

1. Description of first aid measures

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible)

1.1. Inhalation

Not an expected route of exposure. Get medical advice/attention if you feel unwell

1.2. Skin contact

None under normal use conditions. If skin irritation persists, call a physician

1.3. Eye contact

Not an expected route of exposure. Get medical advice/attention if you feel unwell

1.4. Ingestion

Not an expected route of exposure. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

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

No information available

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

Treat symptomatically

Section 5: Fire-fighting measures

1. Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

2. Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors, such as carbon monoxide, carbon dioxide

3. Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers with flooding quantities of water until well after fire is out. Evacuate personnel to safe areas

Section 6: Accidental release measures

1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid contact with eyes. Avoid generation of dust. Do not breathe dust. Wash thoroughly after handling

Safety Data Sheet

2. Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so.
Sweep up and shovel into suitable containers for disposal.

Section 7: Handling and storage

1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition. Avoid contact with eyes. Avoid generation of dust. Do not breathe dust. Wash thoroughly after handling

2. Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition. Store in accordance with the particular national regulations

Section 8: Exposure controls/personal protection

1. Control parameters

No data available

2. Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition

3. Individual protection measures, such as personal protective equipment

3.1. Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations

3.2. Hand Protection

No special technical protective measures are necessary

3.3. Eye/face protection

Avoid contact with eyes.

3.4. Skin and body protection

No special technical protective measures are necessary

Section 9: Physical and chemical properties

1. Information on basic physical and chemical properties

Appearance: Filament

Color: No information available

Odor: No information available

Odor Threshold: Not determined

pH: Not determined

Melting point/freezing point: 343 °C

Boiling point / boiling range: Not determined

Flash point: Not applicable

Evaporation rate: Not determined

Flammability (solid): Not flammable

Flammability Limit in Air: Not applicable

Safety Data Sheet

Vapor Pressure : Not determined
Vapor density: Not applicable
Density: 1.34 g/cm³
Relative density: Not determined
Bulk density: Not determined
Specific gravity: Not determined
Water solubility: Not determined
Partition coefficient (LogPow): Not determined
Autoignition temperature: Not applicable
Decomposition temperature: Not determined
Kinematic viscosity: Not determined
Dynamic viscosity: Not determined
Explosive properties: Not an explosive
Oxidizing properties: Not determined

2. Other information

No information available

Section 10: Stability and reactivity

1. Reactivity

No known effects under normal use conditions

2. Chemical stability

Stable under normal conditions

3. Possibility of hazardous reactions

None under normal processing

4. Conditions to avoid

Heat, flames and sparks. Incompatible materials

5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases

6. Hazardous decomposition products

Carbon monoxide, carbon dioxide

Section 11: Toxicological information

1. Likely routes of exposure

Inhalation:

Not an expected route of exposure

Skin contact:

Non-irritating to the skin

Eye contact:

No eye irritation

Ingestion:

Ingestion may be harmful

2. Information on toxicological effects

Acute toxicity: No information available

Safety Data Sheet

Skin corrosion/irritation: Non-irritating to the skin

Serious eye damage/eye irritation: No eye irritation

Sensitization: No information available

Skin sensitization: Lack of data. Not to be expected

Germ cell mutagenicity: No information available

Carcinogenicity: No information available

Reproductive toxicity: No information available

Specific target organ toxicity - single exposure: No information available

Specific target organ toxicity - repeated exposure: No information available

Aspiration hazard: No information available

Section 12: Ecological information

1. Toxicity

No information available

2. Persistence and degradability

No information available

3. Bioaccumulative potential

No information available

4. Mobility in soil

No information available

5. Other adverse effects

No information available

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

Safety Data Sheet

Section 15: Regulatory information

REGULATIONS

The product needs to follow local regulations.

Section 16: Other information

Revision information

Date of this revision: May 15, 2021

Declare to reader

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.