



SAFETY DATA SHEET

In accordance with paragraph (d) of 29 CFR 1910.1200:2012
Regulation (EU) No. 1907/2006,

Section 1. Chemical Product and Company identification

Product Name: KODAK 3D Printing Filament PETG

Importer: Smart International Inc.
2035 Sunset Lake Road
Newark, Delaware 19702
USA.
Email: support@smart3d.tech
USA Emergency Poison Control Hot Line (24/7):
1 (800) 222-1222 or call your LOCAL POISON CONTROL
CENTER.

Section 2. Hazards Identification

A. GHS classification of the substance/mixture: Not classified

B. GHS label elements, including precautionary statements

Pictogram and symbol: Not applicable

Signal word: Not applicable

Hazard statements: Not applicable

Precautionary statements

Precaution: Not applicable

Treatment: Not applicable

Storage: Not applicable

Disposal: Not applicable

C. Other hazard information not included in hazard classification (NFPA)

Health: Not available

Flammability: Not available

Reactivity: Not available

Section 3. Composition

Chemical name: Copolyester



Chemical Family: Polymer, thermoplastic polymer resin

Product Use: Concept modeling, Educational projects, Design

Chemical name	CAS n./ECL n./EINECS n.	Contents (%)
Copolyester	25038-91-9/EC 607-509-2	100

Section 4. First-Aid Measures

Skin Contact

It is unlikely that first aid shall be needed. In case of contamination, rinse skin with running water. Molten material may cause thermal burns. Get medical attention when in case of burn or skin irritation.

Inhalation

Heating may release irritating fumes. Wear NIOSH approved full or half face piece respiratory protective equipment when necessary

Eye Contact

It is unlikely that first aid shall be needed. In case of dust in the eyes, rinse immediately eyes with plenty of water at least 15 minutes. If irritation persists, get medical advice from and ophthalmologist.

Ingestion

Not likely due to nature of product. It is unlikely that first aid shall be needed. The product is not considered toxic. Drink plenty of water. It may cause gastrointestinal blockage, get medical advice.

Notice to Physician

It is unlikely that first aid shall be needed if the product is used under ordinary conditions. Treat symptomatically according to victim's conditions and specifics of incident.

Antidote

None known. Treat symptomatically and supportively.



Section 5. Fire-fighting Measures

Flammability:

According to UL 94.

Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media: CO₂, water, sand

Specific hazards arising from the chemical:

- Thermal decomposition products: Not available
- Hazardous combustion products: CO ,CO
- Unusual fire and explosion hazard: No explosion hazards

Special Protective equipment and precautions for fire – fighters:

- Wear positive pressure self-contained breathing apparatus (SCBA)
- structural fire fighters protective clothing will only provide limited protection

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

- Stop leak if it can be done without risk
- Isolate exposed area
- Exclude unauthorized personnel
- Use certified protective equipment
- Ventilate the leaked area
- Do not touch or walk through spilled material

Environmental precautions and protective procedures:

- Prevent entry into waterways, sewers, basements or confined areas.

The methods of purification and removal:

- Use sweeping brush or vacuum cleaner

Section 7. Handling and Storage

Handling

Keep away from the molten plastic while printing in case of being burned.

Storage



Store at temperatures not exceeding 50°C/122°F. Keep cool. Avoid heat, flames, sparks and other sources of ignition. Keep away from incompatible materials.

Incompatible Materials

Oxidizing agents.

Precautions for safe handling:

- Avoid contact with molten material
- Use general dilution ventilation and / or local exhaust ventilation to control airborne exposures
- Prevention of Fire and Explosion: Not available

Conditions for safe storage:

- Keep container closed
- Store container in a well dry/cool place
- Keep away from waterways and sewers
- Keep away from any source of ignition

Section 8. Exposure Controls / Personal Protection

A. Occupational Exposure limits

Korea regulation: Not applicable

ACGIH regulation: Not applicable

Biological exposure index : Not applicable

OSHA regulation : Not applicable

NIOSH regulation : Not applicable

EU regulation : Not applicable

Other : Not applicable

B. Appropriate engineering controls

- Provide local exhaust ventilation system or other engineering controls to keep any airborne contamination below the respective threshold limit value.
- Check legal suitability of exposure level.

C. Personal protective equipment

Respiratory Protection:

- Wear NIOSH approved full or half face piece (with goggles) respiratory protective equipment when necessary.



Eye protection

- An eye wash unit and safety shower station should be available nearby work place.
- Wear safety glasses to protect eyes when working with molten material..

Hand protection

- It is a good industrial hygiene practice to minimize skin contact. - When material is heated, wear gloves to protect against thermal burns

Section 9. Physical & Chemical Properties

Physical State:	Solid
Odor:	Slight Odor
pH:	Not applicable
Melting point:	Softening point >100
Initial Boiling Point/Boiling Ranges:	Not applicable
Flash point:	Not available
Evapourating Rate:	Not available
Flammability (solid, gas):	Not available
Upper/Lower Flammability or explosive limits:	Not available
Vapour pressure:	Negligible (20°C)
Solubility:	Negligible
Vapour density (Air=1):	Not available
Specific Gravity	>1
Density:	1,27 gr/ml (25 °C)
Autoignition Temperature:	454°C (ASTM E 659)
Decomposition Temperature:	Not available
Viscosity:	Not Available



Section 10. Stability & Reactivity

Chemical Stability

Stable

Possibility of Hazardous Reaction

None Known

Conditions to Avoid

Avoid contact with incompatible materials.

Materials to Avoid

Not available

Hazardous Decomposition Products

Not available

Section 11. Toxicological Information

Inhalation:

No data available.

Ingestion:

Not expected to be harmful.

Skin/ eye corrosion

Molten material may cause burns.

Respiratory sensitization:

No data available.

Skin sensitization:

No data available.

Carcinogenicity:

Not classified KOREA-ISHL, IARC, NTP, OSHA, ACGIH, EU, Regulation 1272/2008

Mutagenicity:

Not available

Specific target organ toxicity (single exposure):

Not available

Specific target organ toxicity (repeat exposure):

Not available



Aspiration Hazard:
Not available

Section 12. Ecological Information

A. Ecological toxicity

Acute toxicity: Not available

Chronic toxicity : Not available

Fish : Not available

Crustacean : Not available

Algae : Not available

B. Persistence and degradability

Persistence: Not available

Degradability: Not available

C. Bio accumulative potential

Bioaccumulation: Not available

Biodegradation : Not available

D. Mobility in soil: Not available

E. Other hazardous effect: Not available

Section 13. Disposal Considerations

Disposal methods

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Disposal precaution:

Consider the requirements of any applicable waste treatment management regulation

Section 14. Transport Information

US DOT Information

UN/NA number: Not regulated for transport of dangerous goods

Proper shipping name: None

Hazard class: Not applicable



Packing group: None

Section 15. Regulatory Information

US Regulatory information

U.S.A management information (OSHA Regulation) : Not regulated
U.S.A management information (CERCLA Regulation) : Not regulated
U.S.A management information (EPCRA 302 Regulation) : Not regulated
U.S.A management information (EPCRA 304 Regulation) : Not regulated
U.S.A management information (EPCRA 313 Regulation) : Not regulated

2 Foreign Regulatory Information

Korea regulatory Information

Occupational Safety and Health Regulation : Not regulated
Toxic Chemical Control Act : Non-Toxic Chemicals (97-3-186)
Dangerous Material Safety Management Regulation : Not regulated
Waste Control Act : Not regulate

External information

EU classification (classification) : Not regulated
EU classification (risk phrases) : Not regulated
EU classification (safety phrases) : Not regulated
EU SVHC list : Not regulated
EU Authorisation List : Not regulated
EU Restriction list : Not regulated
Persistent Organic Pollutants Acts : Not regulated

Japan management information Existing and New Chemical Substances (ENCS): (7)-714
China management information Inventory of Existing Chemical Substances (IECSC): Present 01980
Canada management information Domestic Substances List (DSL): Present
Australia management information Inventory of Chemical Substances (AICS): Present

Substance of Rotterdam Protocol : Not regulated
Substance of Stockholm Protocol : Not regulated
Substance of Montreal Protocol : Not regulated



Disclaimer

This SDS, based on current knowledge and experience, contains a general summary of hazards and is consistent with the information provided by the supplier. No liability can be assumed for the accuracy and completeness of this information.

The information in this SDS applies for this specific material only. It therefore does not apply for its usage in combination with other materials or ways of processing.

It is user's responsibility to read and understand this information and incorporate it into individual safety programs, according to all legal and regulatory applicable procedures.

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