

PETG · 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

GHS Classification	Not applicable	Precautionary statements	
GHS label elements Hazard symbols	None needed	Prevention	None needed
Signal word	None needed	Response	None needed
Hazard statement	None needed	Storage	None needed

EU Classification	
Classification of substance or mixture	This product is not classified as dangerous according to EC criteria.
REGULATION (EC) No 1272/2008	
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulation.
OSHA Regulatory Status	This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
Other hazards	NFPA rating: (0-4 steps) Health=1, Flammability=0, Reactivity=0

Section 3. Composition

Chemical name	Copolyester
Chemical Family	Polymer, thermoplastic polymer resin
Product Use	Monofilament for FFF 3D Printing

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

Section 4. First-Aid Measures

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



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Section 5. Fire-fighting Measures

Flammability	According to UL 94
Suitable extinguishing media	Suitable extinguishing media: CO2, water, sand
Specific hazards arising from the chemical	<ul style="list-style-type: none"> - Thermal decomposition products: Not available - Hazardous combustion products: CO ,CO - Unusual fire and explosion hazard: No explosion hazards
Special Protective Equipment and Precautions for Firefighters	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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
Methods and Materials for Containment and Cleaning Up	<ul style="list-style-type: none"> - Use sweeping brush or vacuum cleaner
Environmental Precautions	<ul style="list-style-type: none"> - Prevent entry into waterways, sewers, basements or confined areas.

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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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

Occupational Exposure limits		Personal Protective Equipment	
Korea regulation	Not applicable	Respiratory Protection	- Wear NIOSH approved full or half face piece (with goggles) respiratory protective equipment when necessary.
ACGIH regulation	Not applicable	Eye Protection	<ul style="list-style-type: none"> - 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.
Biological exposure index	Not applicable	Hand Protection	<ul style="list-style-type: none"> - It is a good industrial hygiene practice to minimize skin contact. - When material is heated, wear gloves to protect against thermal burns
OSHA regulation	Not applicable		
NIOSH regulation	Not applicable		
EU regulation	Not applicable		
Other	Not applicable		

Appropriate engineering controls	<ul style="list-style-type: none"> - 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.
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Section 9. Physical & Chemical Properties

Appearance	Monofilament, spool
Physical State	Solid
Odor	Slight Odor
pH	Not available
Melting point	Softening point >100
Initial Boiling Point/Boiling Ranges	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 density	>1
Density	1,27 gr/ml (25 °C)
Autoignition Temperature	454°C (ASTM E 659)
Decomposition Temperature	Not available
Molecular weight	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

Information on the likely routes of exposure	
Inhalation	No data available. Not expected to be harmful. Dust may cause Irritation of the upper respiratory tract.
Ingestion	No data available. Not expected to be harmful.
Eye/Skin	No data available. Not expected to be harmful. Molten material may cause burns.
Genotoxicity	No data available. Not expected to be harmful.
Medical Conditions Aggravated by Exposure	No data available.

Section 12. Ecological Information

Ecotoxicity	No data available.
Persistence and Degradability	No data available.
Bioaccumulative Potential	No data available.
Mobility	No data available.

Section 13. Disposal Considerations

Disposal methods	Dispose of contents/container in accordance with applicable local, regional, national, and/or international laws and regulations. Avoid release to the environment. Incineration should be done in accordance with prevailing municipal, state, and federal laws and standards from local environmental agencies.
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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

ICAO/IATA	
UN-No.	Not regulated for transport of dangerous goods
Proper shipping name	None
Hazard class	Not applicable
Packing group	None

IMDG:	
UN/Id No.:	Not regulated for transport of dangerous goods
Proper shipping name	None
Hazard class	Not applicable
Packing group	None



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Section 15. Regulatory Information

U.S. Federal Regulations	
OSHA (29CFR 1910.1200):	Not listed
SARA 313	Not listed
EC Classification:	Not listed.
Issue date: 2017. 10. 28	

Disclaimer:

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