



SAFETY DATA SHEET

Rev 2.0 · Issue date 10-27-2026 · Supersedes Rev 1.0 (08-13-25)

PCTG Prime 3D Printer Filament

PCTG copolyester · Product code CX15

1. Identification

Product identifier	PCTG Prime 3D Printer Filament
Product code	CX15
Recommended use	3D printing (FFF/FDM) filament, thermoplastic
Restrictions on use	Not specified
Supplier	COEX LLC, 1228 Elizabeth St, Green Bay, WI 54302, USA
Telephone	(920) 757-1055
Emergency telephone	(920) 757-1055 (business hours)
Website	www.coex3d.com

2. Hazard identification

Classification	The substance is not classified as dangerous according to Regulation (EC) No 1272/2008 (CLP/GHS) and Directive 67/548/EEC.
Label elements	Hazard Pictogram: None. Signal Word: None. Hazard Statements: None. Precautionary Statements: Not applicable.
Hazards not otherwise classified	The hazards of this product are associated mainly with its processing. Molten polymer will produce thermal burns. Polymer dust may represent a fire hazard at sufficient concentrations in presence of ignition sources.
Other information	The hazards of this product are associated mainly with its processing. Molten polymer will produce thermal burns. Polymer dust may represent a fire hazard at sufficient concentrations in presence of ignition sources.

3. Composition / information on ingredients

Chemical name	CAS No.	Weight %
Copolyester	no CAS number given	> 99.9
Additives	no CAS number given	< 0.1

The polymer contains minor additives such as stabilizers and catalysts. These additives are immobilized by the polymer and are not released with normal use. (The old COEX CX15 SDS also gave Copolyester > 99.9 %, Additives < .1 %.)

4. First-aid measures

Inhalation	Move exposed person to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. Consult a physician after significant exposure.
Eye contact	Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention if symptoms occur.
Skin contact	Cool skin rapidly with cold water after contact with molten polymer. Do not peel polymer from the skin. Obtain medical attention.
Ingestion	Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur and show the TDS.
Most important symptoms	Symptoms related to the physical, chemical and toxicological characteristics: Inhalation: No specific data. Ingestion: No specific data. Skin contact: No specific data. Eye contact: No specific data.
Note to physicians	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Specific treatments: No specific treatment.

5. Fire-fighting measures

Suitable extinguishing media	Suitable: Use an extinguishing agent suitable to local circumstances and the surrounding environment. Example: Water Spray, Dry Chemical Powder and Carbon Dioxide. Unsuitable: Do not use water, if fire is caused by an electrical short circuit.
Special hazards	Hazardous combustion products: Carbon monoxide, carbon dioxide, acetaldehyde. Unusual fire and explosion hazards: Powdered material may form explosive dust-air mixtures. High voltage static electricity build-up and discharge must be avoided when significant quantities of powdered material are present.
Protective equipment	Wear self-contained breathing apparatus, protective clothing and headgear to prevent contact with skin and eyes.
Further information	Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental release measures

Personal precautions	Spilled filament or pieces may cause a slipping hazard. Ensure adequate ventilation.
Environmental precautions	Do not flush into surface water or sanitary sewer system. Keep out of waterways.
Cleaning up	Pick up or sweep up and place in a suitable container for disposal.

7. Handling and storage

Safe handling	Put on appropriate personal protective equipment (see Section 8). Adequate ventilation and cleanliness must be employed in the processing area. Area should be controlled using good occupational hygiene practices. Accumulation of the dust may represent a fire and explosion hazard at sufficient concentrations. Remove ignition sources. Beware of electrostatic charges.
Fire and explosion	Dust from grinding or sanding can form an explosive mixture with air. Take precautionary measures against static discharges.
Storage	Keep containers closed when not in use. Store in original container in a dry, cool and well-ventilated area, away from flame, ignition sources, direct sunlight or incompatible materials (see section 10). Maintain good housekeeping to control dust accumulations.
Incompatibilities	Acetic Anhydride, acetone, aniline, benzene, chloroform, chromic acid, cyclohexanone, dimethylformamide, dioxane, ethyl acetate, phenol, tetrahydrofuran. Reactive with strong oxidizing agents, as well as strong acids and caustic will decompose polyester.

8. Exposure controls / personal protection

Exposure limits	No exposure limit value known.
Engineering controls	Provide exhaust ventilation if dust or fumes are generated during processing.
Personal protection	Engineering controls: Good general ventilation (typically 10 air changes per hour) should be used. Provide for appropriate exhaust ventilation and dust collection at machinery. Provide exhaust ventilation at places where dust is formed. Hygiene measures: Wash hands before eating and at the end of the working period. Eye/face protection: Not required under normal conditions of uses. Safety eyewear should be used when there is a likelihood of exposure. Recommended: Safety glasses with side shields when working with molten material. Hand protection: Protective gloves are required when handling hot polymer. Other skin protection: Appropriate footwear and additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. A safety shower and washing facilities should be available. Respiratory protection: Not required under normal conditions of uses. In the case of respirable dust and/or fumes, use self-contained breathing apparatus. If respirators are used, a program should be instituted to assure compliance with OSHA standard (OSHA Respiratory Protection Program Guidelines).
Hygiene	Do not eat or drink while working. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Appearance	Solid Colourless Pellets
Odor	Slight
Odor threshold	Not applicable
pH	Not applicable
Melting temperature	No data available
Freezing point	No data available
Boiling point	Decomposes; not determined
Flash point	Not applicable
Evaporation rate	Not applicable (solid)
Flammability	Non-flammable
Explosive limits	No data available
Vapor pressure / vapor density	No data available
Density	Relative density: 1,27 g.cm3
Solubility in water	Insoluble in water
Partition coefficient	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	Not applicable (solid)
Oxidizing properties	No data available

10. Stability and reactivity

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	The product is stable.
Hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	No specific data.
Incompatible materials	Acetic Anhydride, acetone, aniline, benzene, chloroform, chromic acid, cyclohexanone, dimethylformamide, dioxane, ethyl acetate, phenol, tetrahydrofuran. Reactive with strong oxidizing agents, as well as strong acids and caustic will decompose polyester.
Hazardous decomposition products	Carbon monoxide, carbon dioxide, acetaldehyde.

11. Toxicological information

Routes of exposure	Inhalation, ingestion, eye or skin contact.
Acute toxicity	Routes of exposure: Inhalation: Combustion products may be irritant; high concentration of dust may be irritant to the respiratory tract. Ingestion: Expected to be a low ingestion hazard. Skin contact: May cause physical abrasion in contact with skin. Molten polymer will adhere to the skin causing deep thermal burns. Eye contact: May cause physical abrasion in contact with eyes. Potential acute health effects (inhalation, ingestion, skin contact, eye contact): No known significant effects or critical hazards.
Inhalation	Not inhalable in the form supplied.
Irritation	Inhalation: Combustion products may be irritant; high concentration of dust may be irritant to the respiratory tract. Skin contact: May cause physical abrasion in contact with skin. Eye contact: May cause physical abrasion in contact with eyes.
Sensitization, repeated dose, mutagenicity, carcinogenicity, reproductive toxicity	Short term exposure, potential immediate effects: Not available. Potential delayed effects: Not available. Long term exposure, potential immediate effects: Not available. Potential delayed effects: Not available. General: No known significant effects or critical hazards. Carcinogenicity: No known significant effects or critical hazards. Mutagenicity: No known significant effects or critical hazards. Teratogenicity: No known significant effects or critical hazards. Fertility effects: No known significant effects or critical hazards.
Aspiration hazard	None expected.

12. Ecological information

Aquatic toxicity	Toxicity: Not available. Mobility: Not available (soil/water partition coefficient KOC: Insoluble in water). PBT: Not available. vPvB: Not available. Other adverse effects: No known significant effects or critical hazards.
Persistence and degradability	Not available.
Bioaccumulation	Not available.

13. Disposal considerations

Product	Dispose of in accordance with local, state and federal regulations. Check for recycling options. Do not release into the environment.
Packaging	Empty spools and packaging can be recycled if not contaminated.

14. Transport information

US DOT, IMDG, IATA/ICAO	The substance is not subject to transport regulations on hazardous goods included in ADR (road transport), RID (rail transport), IMDG (marine transport) and ICAO/IATA (air transport). UN number: Not applicable. UN proper shipping name: Not applicable. Transport hazard classes: None. Packing group: Not applicable. Environmental hazards: Not applicable.
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15. Regulatory information

U.S. TSCA	No data available
SARA 313	No data available

16. Other information

NFPA hazard codes	No data available
HMIS III rating	No data available
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Prepared by	COEX LLC

This data is based on the current state of our information and experience.

www.coex3d.com

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