



MSDS Rev 1.0

Material Safety Data Sheet: CX15 PCTG PRIME SERIES 3D PRINTING FILAMENT

BASE RESIN: Selenis Mimesis

1. Identification of the substance/preparation and of the company

- 1.1 Trade name: Coex PCTG Prime 3D printer filament
1.2 Use of the product: 3D printer filament, thermoplastic polymer
1.3 Supplier: Coex
1228 Elizabeth ST
Green Bay, WI 54302
Phone: (920) 757-1055

2. Hazards identification

- 2.1 Classification: Not applicable

3. Composition / information on ingredients

- 3.1 Chemical characteristics:
- | CAS # | Components | Concentration |
|-------|-------------|---------------|
| | Copolyester | > 99.9% |
| | Additives | < .1% |

4. First-aid measures

- 4.1 On skin contact: In case of contact with molten polymer immediately cool the skin with cold water. Medical aid may be required to remove adhering material and for treatment of burns.
4.2 After inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
4.3 On 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
4.4 On eye contact: In case of contact, immediately flush eyes with copious amounts of water for at least {15} minutes

5. Fire-fighting measures

- 5.1 Suitable fire extinguishing media: Use an extinguishing agent suitable to local circumstances and the surrounding environment. Example: Water Spray, Dry Chemical Powder and Carbon Dioxide.
5.2 Unsuitable extinguishing media: Avoid the use of water jets for extinguishing
5.3 Special exposure hazards: Not available

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- 5.4 Special protective equipment: Self-contained breathing apparatus
- 5.5 Remark: 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.

6. Accidental release measures

- 6.1 Personal precautions: Use suitable protective clothing. Avoid eye contact and inhalation of dusts. Keep ignition sources away.
- 6.2 Methods for cleaning up: Vacuum or sweep up material and place into a suitable disposal container.

7. Handling and storage

- 7.1 Handling: Avoid contact with molten polymer. Avoid generation of dust and electrostatic charge.
- 7.2 Storage: Protect against moisture. Store cool and keep packaging closed when not in use. Avoid sources of ignition.

8. Exposure controls/ personal protection

- 8.1 Technical safety measures: 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.
- 8.2 Personal safety equipment: Use adequate safety equipment, e.g. protective clothing, eye protection glasses, heat protection gloves. In case of dust formation wear mask with particle filter.
- 8.3 Work hygiene: No eating or drinking during working. Avoid contact of hot material with the skin. Avoid breathing dust and vapors.

9. Physical and chemical properties

- 9.1 Form: Spool
- 9.2 Color: Various
- 9.3 Odor: Slight
- 9.4 Oxidizing properties: Not self-igniting / flammable
- 9.5 Explosions limits: Not Available
- 9.6 Density: 1.27 g/cm³
- 9.7 Solubility in water: Insoluble

10. Stability and reactivity

- 10.1 Stability: The product is stable at recommended storage conditions.
- 10.2 Conditions to be avoided: Stable under recommended conditions of storage and handling.

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10.3 Substances to be avoided: No special recommendations.

10.4 Hazardous decomposition products:
Carbon monoxide, carbon dioxide, acetaldehyde

11. Toxicological information

11.1 Local irritation: No data available.

11.2 Other remarks: No data available.

Ecological information

11.3 Ecological info: This 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.

11.4 Biological degradation: No data available.

11.5 Bioaccumulation: This product will not readily bioaccumulate due to its insolubility in water.

12. Disposal considerations

12.1 Product: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. Special precautions : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers

12.2 Uncleaned packaging: Packaging material has to be emptied completely and disposed in accordance with the regulations. Packaging can be recycled if not contaminated.

13. Transport information

13.1 Transport regulations: Not classified as hazardous under transport regulations DOT, ICAO/IATA, IMDG/GGVSee, ICAO/IATA

14. Regulatory information

14.1 EPA regulations: This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

Acute (immediate) Health Hazard:	No
Chronic (delayed) Health Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactive Hazard:	No



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15. Other information

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

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