



**Material Safety Data Sheet: CX13 PETG SERIES 3D PRINTING FILAMENT**

**BASE RESIN: Eastar™ Copolyester 6763**

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

- 1.1 Trade name: Coex PETG 3D printer filament
- 1.2 Use of the product: 3D printer filament, thermoplastic.
- 1.3 Supplier: Coex  
660 Corporate WAY  
Pulaski, WI 54162  
Phone: (920) 757-1055

**2. Hazards identification**

- 2.1 Classification: GHS – Not a hazardous substance or mixture
- 2.2 Special advice on hazards: No specific dangers known

**3. Composition / information on ingredients**

3.1 Chemical characteristics:		
CAS #	Hazardous Components	Concentration
NA	non-hazardous component(s)	100 %

**4. First-aid measures**

- 4.1 On skin contact: Wash of with soap and water. 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: If swallowed, seek medical advice.
- 4.4 On eyes 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: Water spray, chemical powder or carbon dioxide.
- 5.2 Special exposure hazards: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Carbon dioxide. Carbon monoxide.
- 5.3 Special protective equipment: Self-contained breathing apparatus



## MSDS Rev 1.0

5.4 Remark: Cool containers / tanks with water spray. Water mist may be used to cool closed containers. Fine dust dispersed in air may ignite. Risks of ignition followed by flame propagation or secondary explosions shall be prevented by avoiding accumulation of dust, e.g. on floors and ledges.

### 6. Accidental release measures

6.1 Personal precautions: Spilled material may cause a slipping Hazard.  
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: Use with adequate ventilation. Minimize dust generation and accumulation as combustible dust mixtures may be 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 Melting Temperature: 230-245C  
9.5 Oxidizing properties: No data available  
9.6 Explosions limits: No data available  
9.7 Density: 1.27 g/cm<sub>3</sub>  
9.8 Solubility in water: Negligible

### 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.  
10.3 Substances to be avoided: Strong oxidizing agents.

Disclaimer: The safety data contained on this data sheet is furnished without charge or obligation and accepted at the recipient's sole risk. This data describes our product in terms of safety requirements. The data provided is not applicable as a warranty of product properties. It is the responsibility of the recipient to observe the existing legal regulations for the use of this product.



10.4 Hazardous decomposition products:

Decomposition products depend upon temperature, air supply and the presence of other materials. Processing may release fumes and other decomposition products. At temperatures exceeding melt temperatures, polymer fragments can be released. Fumes can be irritating. Decomposition products can include and are not limited to: Combustible gases.

11. Toxicological information

- 11.1 Local irritation: No data available
- 11.2 Other remarks: No data available

Ecological information

11.3 Ecological info:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l  
Exposure time: 96 h  
Remarks: (highest concentration tested)

Toxicity to daphnia and other aquatic invertebrates : LC50 (daphnid): > 100 mg/l  
Exposure time: 96 h  
Remarks: (highest concentration tested)  
LC50 (snail): > 100 mg/l  
Exposure time: 96 h  
Remarks: (highest concentration tested)  
LC50 (flatworm): > 100 mg/l  
Exposure time: 96 h Remarks: (highest concentration tested)

- 11.4 Biological degradation: No data available
- 11.5 Bioaccumulation: No data available

12. Disposal considerations

- 12.1 Product: In accordance with local and national regulations. Should not be released into the environment. Do not contaminate ponds, waterways or ditches with chemical or used container.
- 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 TSCA

On TSCA Inventory

14.2 DSL

All components of this product are on the Canadian DSL

**15. Other information**

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

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