



SDS Rev 1.0

Safety Data Sheet:

BASE RESIN:

CX14 ESD PETG

PETG compounded with carbon nanotubes

Issue Date: 10-02-2026

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

- 1.1 Trade name: CX14 ESD PETG (PETG compounded with carbon nanotubes)
- 1.2 Use of the product: Polymer for industrial processing. Applies to the filament made from this compound.
- 1.3 Supplier: Coex
1228 Elizabeth St
Green Bay, WI 54302
Phone: (920) 757-1055
Emergency phone: (920) 757-1055

2. Hazards identification

- 2.1 Classification: The product is not considered hazardous by 2012 OSHA Hazard Communication Standard: 29 CFR 1910.1200
- 2.2 Hazards not otherwise classified: No specific dangers known.
- 2.3 Other information: Under hot melt processing conditions wear personal protective equipment to prevent thermal burns.
The product is a thermoplastic resin pellet with limited release under normal conditions of use, transportation, and storage. Increased release may occur when the resin pellet (or material/product manufactured from it) is subject to grinding, polishing, excessive heat, or other processes which enhance the potential for the generation of particulates, fumes, and/or vapors. A qualified health specialist should evaluate the specific potential for release under user's conditions of handling of this material.

3. Composition / information on ingredients

Chemical name	CAS No.	Weight %	Proprietary
PETG Copolyester	25640-14-6	80-99	
Carbon nanotube	Not assigned	1-20	

4. First-aid measures

- 4.1 On skin contact: Wash skin with soap and water when in contact with molten residues. Burns caused by molten material require hospital treatment.
- 4.2 After inhalation: If difficulties occur after dust has been inhaled, remove to fresh air and consult a physician.
- 4.3 On ingestion: Drink plenty of water. Do not induce vomiting without medical advice. Call a physician immediately.

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- 4.4 On eyes contact: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
- 4.5 Most important symptoms and effects, both acute and delayed: Symptoms: No data available.
- 4.6 Indication of any immediate medical attention and special treatment needed: Note to physicians: Treat according to symptoms.

5. Fire-fighting measures

- 5.1 Suitable fire extinguishing media: Water spray, foam, dry powder
- 5.2 Special exposure hazards: Hazards during fire-fighting: No hazardous combustion products are known.
- 5.3 Special protective equipment: Firefighters should be equipped with self-contained breathing apparatus and turnout gear.
- 5.4 Remark: Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental release measures

- 6.1 Personal precautions: Wear suitable personal protective clothing and equipment. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice.
- 6.2 Environmental precautions: Do not flush into surface water or sanitary sewer system. Keep out of waterways.
- 6.3 Methods for cleaning up: For small amounts: Pick up with suitable appliance and dispose of.

7. Handling and storage

- 7.1 Handling: Avoid inhalation of dusts/mists/vapors.
- 7.2 Protection against fire and explosion: Take precautionary measures against static discharges.
- 7.3 Storage: The product in undamaged packing need not be stored separately.
- 7.4 Suitable materials for containers: Low density polyethylene (LDPE), High density polyethylene (HDPE), Aluminum, Carbon steel (Iron)
- 7.5 Further information on storage conditions: Keep container tightly closed and dry: store in a cool place. Avoid dust formation. Product dust can form an explosive mixture with air.
- 7.6 Storage stability: Protect against moisture.

8. Exposure controls/ personal protection

- 8.1 Control parameters: Exposure Limits: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

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- 8.2 Technical safety measures: Engineering controls: If dust is generated during further processing provide exhaust ventilation.
- 8.3 Personal safety equipment: Eye/face protection: Goggles. Safety glasses with side-shields.
Skin and body protection: Impervious clothing.
Respiratory protection: Minimize dust generation and accumulation. Wear respiratory protection.
- 8.4 Work hygiene: General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

- 9.1 Form: Filament on spool (made from the pellet compound)
- 9.2 Odor: odorless
- 9.3 Odor threshold: not applicable
- 9.4 Color: black
- 9.5 pH value: not applicable
- 9.6 Melting Temperature: Approximately 260 °C
- 9.7 Freezing point: No data available.
- 9.8 Boiling point: The substance / product decomposes therefore not determined.
- 9.9 Sublimation point: No applicable information available.
- 9.10 Flash point: not applicable
- 9.11 Flammability: not self-igniting
- 9.12 Flammability of Aerosol Products: not applicable, the product does not form flammable aerosols

10. Stability and reactivity

- 10.1 Reactivity: No hazardous reactions if stored and handled as prescribed/indicated.
Oxidizing properties: not fire-propagating
- 10.2 Stability: The product is stable if stored and handled as prescribed/indicated.
- 10.3 Possibility of hazardous reactions: The product is chemically stable. No hazardous reactions known.
- 10.4 Conditions to be avoided: Temperature: > 320 degrees Celsius
- 10.5 Substances to be avoided: No substances known that should be avoided.
- 10.6 Hazardous decomposition products: Carbon monoxide, carbon dioxide
Thermal decomposition: > 320 °C

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11. Toxicological information

- 11.1 Primary routes of exposure: Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

- 11.2 Acute toxicity: Assessment of acute toxicity: Contact with molten product may cause thermal burns. The resin in pelleted form poses a low hazard.
- 11.3 Oral: Practically nontoxic. The product has not been tested.
- 11.4 Inhalation: Not inhalable due to the properties of the product.
- 11.5 Dermal: Practically nontoxic. The product has not been tested.
- 11.6 Assessment other acute effects: No applicable information available.
- 11.7 Irritation / corrosion: Assessment of irritating effects: Irritation is possible when the product comes in contact with the skin, respiratory tract or the eyes. Thermal decomposition products of the substance can irritate the eyes, skin, and respiratory tract.
- 11.8 Eye: May cause mechanical irritation.
- 11.9 Sensitization: Assessment of sensitization: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
- 11.10 Aspiration hazard: No aspiration hazard expected.

Chronic Toxicity/Effects

- 11.11 Repeated dose toxicity: Assessment of repeated dose toxicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
- 11.12 General toxicity: Assessment of mutagenicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
- 11.13 Carcinogenicity: Assessment of carcinogenicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
- 11.14 Reproductive toxicity: Assessment of reproduction toxicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
- 11.15 Other information: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

12. Ecological information

- 12.1 Ecological info: Assessment of aquatic toxicity: The product has not been tested. There is a high probability that the product is not acutely harmful to aquatic organisms.

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- 12.2 Biological degradation: Assessment biodegradation and elimination (H₂O): Experience shows this product to be inert and non-degradable. The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.
- 12.3 Bioaccumulation: The product will not be readily bioavailable due to its consistency and insolubility in water.

13. Disposal considerations

- 13.1 Product: Dispose in accordance with local and environmental regulations. Check for recycling options.
- 13.2 Uncleaned packaging: Containers must be completely emptied. Emptied containers can be recycled.

14. Transport information

- 14.1 Land transport (USDOT): Not classified as a dangerous good under transport regulations.
- 14.2 Sea transport (IMDG): Not classified as a dangerous good under transport regulations.
- 14.3 Air transport (IATA/ICAO): Not classified as a dangerous good under transport regulations.

15. Regulatory information

- 15.1 U.S. Toxic Substances Control Act (TSCA): Complies
- 15.2 SARA 313: This product does not contain any chemicals which are subject to the reporting requirements of the ACT and Title 40 of the Code of Federal Regulations, Part 372.

16. Other information

- 16.1 NFPA Hazard codes:
Health: 1 Flammability: 1 Reactivity: 0
- 16.2 HMIS III Rating
Health: 1 Flammability: 1 Reactivity: 0
- 16.3 Basis: Compound manufacturer's Safety Data Sheet, issue date 08/21/2025 (no revision date given).
- 16.4 Disclaimer: The information contained herein are presented in good faith and believed to be accurate. It is provided for your guidance only. Because many factors may affect the processing or application use, we recommend that you make tests to determine suitability of a product prior to use. No warranties of any kind, either expressed or implied are made regarding products described.

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

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