



Material Safety Data Sheet: CX01 ABS SERIES 3D PRINTING FILAMENT

BASE RESIN: CHIMEI General ABS POLYLAC Ultra-High Impact Strength

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

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

2. Hazards identification

- 2.1 Classification: Combustible Dust
2.2 Special advice on hazards: May form combustible dust concentrations in air. While this product may not be a combustible dust as sold, further processing or handling may form combustible dust concentrations in air.

3. Composition / information on ingredients

Table with 3 columns: CAS #, Hazardous Components, Concentration. Rows include Styrene Acrylonitrile Copolymer and Carbon black.

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: If swallowed, wash out mouth with water provided person is conscious. Call a physician.
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 and foam. Water is the best extinguishing medium.
5.2 Special exposure hazards: Emits toxic fumes under fire conditions. Approved positive pressure demand breathing apparatus (SCBA) and protective clothing should be used for all fires.

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- 5.3 Special protective equipment: Self-contained breathing apparatus
- 5.4 Remark: Carbon dioxide and carbon monoxide generated when the material burns. Combustible Dust may form during material transfer. Estimated Dust Explosion Class = ST2; Kst estimated (bar.m/s): >200 -

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: 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: Almost Odorless
- 9.4 Melting Temperature: 250 °C
- 9.5 Oxidizing properties: Not self-igniting / flammable
- 9.6 Explosions limits: Class = ST2
- 9.7 Density: 1.27 g/cm³
- 9.8 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:

Processing fumes evolved at recommended processing conditions may include trace levels of low molecular weight hydrocarbon fragments, carbon dioxide, carbon monoxide and Irritating fumes and gases

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: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in {261} CFR Parts {261.3}. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

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



MSDS Rev 1.0

Fire Hazard:	Yes
Sudden Release of Pressure Hazard:	No
Reactive Hazard:	No

15. Other information

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

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