



Material Safety Data Sheet: CX09 ABS PRIME SERIES 3D PRINTING FILAMENT

BASE RESIN: LG ABS HI121H

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

3.1 Chemical characteristics:		
CAS #	Hazardous Components	Concentration
9003-56-9	Styrene Acrylonitrile Copolymer	95~100 %
	Typical Stabilizer	0-3 %
	Typical Lubricant	0-3 %

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.

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- 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.
- 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: 1.05 g/cm³
- 9.8 Solubility in water: Insoluble

10. Stability and reactivity

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- 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: 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:

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Acute (immediate) Health Hazard:	No
Chronic (delayed) Health Hazard:	No
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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