



MSDS Rev 1.0

Material Safety Data Sheet: CX04 ASA Prime SERIES 3D PRINTING FILAMENT

BASE RESIN: ASA LI912

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

- 1.1 Trade name: Coex ASA 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 #	Hazardous Components	Concentration
26299-47-8	2-Propenoic acid butyl ester polymer with ethenylbenzene and 2- propenenitrile	90 ~ 99.9%
2082-79-3	3,5-Bis(1,1-dimethylethyl)-4-hydroxybenzene- propanoic acid octadecyl ester	< 1%
52829-07-9	Decanedioic acid bis(2,2,6,6-tetramethyl-4-piperidiny) ester	< 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: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

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- 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: Dry chemical, carbon dioxide, regular foam extinguishing agent, spray.
- 5.2 Unsuitable extinguishing media: Avoid the use of water jets for extinguishing
- 5.3 Special exposure hazards: Not available
- 5.4 Special protective equipment: Self-contained breathing apparatus
- 5.5 Remark: In case of conflagration, use an automatic fire sprinkler. A major fire may require withdrawal, allowing the object itself to burn. Avoid inhalation of materials or combustion by-products. Do not approach the tank surrounded by fire until it is extinguished. Keep containers cool with water spray. Use firefighting procedures suitable for the surrounding area.

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

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9.4 Melting Temperature:	250 °C
9.5 Oxidizing properties:	Not self-igniting / flammable
9.6 Explosions limits:	Not Available
9.7 Density:	1.07 g/cm ³
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.
10.3 Substances to be avoided:	No special recommendations.
10.4 Hazardous decomposition products:	May emit flammable vapor if involved in fire

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

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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
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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