SAFETY DATA SHEET

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ABS Prime 3D Printer Filament

Acrylonitrile butadiene styrene (ABS) · Product code CX09

1. Identification

Product identifier	ABS Prime 3D Printer Filament
Product code	CX09
Recommended use	3D printing (FFF/FDM) filament, thermoplastic
Restrictions on use	Not specified
Supplier	COEX LLC, 1228 Elizabeth St, Green Bay, WI 54302, USA
Telephone	(920) 757-1055
Emergency telephone	(920) 757-1055 (business hours)
Website	www.coex3d.com

2. Hazard identification

Classification	Classification according to Regulation (EC) No 1272/2008 [CLP]: Not applicable
Label elements	Hazard Pictogram(s): Not applicable. Signal word: Not applicable. Hazard statement(s): Not applicable. Precautionary statement(s) (prevention, response, storage, disposal): Not applicable
Hazards not otherwise classified	Not available
Other information	Not available

3. Composition / information on ingredients

Chemical name	CAS No.	Weight %
Styrene Acrylonitrile Copolymer	9003-56-9	95–100
Typical stabilizer		0–3
Typical lubricant		0–3

Maker SDS withholds the identity of the 1–10 % component ("Secret").

4. First-aid measures

Inhalation	When exposed to large amounts of steam and mist, move to fresh air. Take specific treatment if needed.
Eye contact	Do not rub your eyes. Immediately flush eyes with plenty of water for at least 15 minutes and call a doctor/physician.
Skin contact	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing thoroughly before re-using.
Ingestion	Please be advised by doctor whether induction of vomit is demanded or not. Rinse your mouth with water immediately.
Most important symptoms	Not available
Note to physicians	Notify medical personnel of contaminated situations and have them take appropriate protective measures.

5. Fire-fighting measures

Suitable extinguishing media	Suitable extinguishing media: Dry chemical, carbon dioxide, regular foam extinguishing agent, spray. Unsuitable extinguishing media: Avoid use of water jet for extinguishing
Special hazards	Hazardous combustion products: Not available
Protective equipment	Cool containers with water until well after fire is out. Keep unauthorized personnel out. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. Notify your local firestation and inform the location of the fire and characteristics hazard. Wear appropriate protective equipment. Keep containers cool with water spray. Use fire fighting procedures suitable for surrounding area.
Further information	Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental release measures

Personal precautions	Spilled filament or pieces may cause a slipping hazard. Ensure adequate ventilation.
Environmental precautions	Do not flush into surface water or sanitary sewer system. Keep out of waterways.
Cleaning up	Pick up or sweep up and place in a suitable container for disposal.

7. Handling and storage

Safe handling	Wash thoroughly after handling. Avoid contact with incompatible materials. Dealing only with a well-ventilated place. Do not handle until all safety precautions have been read and understood.
Fire and explosion	Dust from grinding or sanding can form an explosive mixture with air. Take precautionary measures against static discharges.
Storage	Save in cool, dry and well ventilated place. Check regularly for leaks. Do not apply direct heat. Please pay attention to incompatibilities materials and conditions to avoid. Prevent static electricity and keep away from combustible materials or heat sources.
Incompatibilities	Not available

8. Exposure controls / personal protection

Exposure limits	European Union (EU) Commission Directive 2006/15/EC (IOELVs): Not available. DNEL/PNEC values: Not available
Engineering controls	Provide exhaust ventilation if dust or fumes are generated during processing.
Personal protection	Hand protection: Wear appropriate glove. Eye protection: Wear primary eye protection such as splash resistant safety goggles with a secondary protection face shield. Provide an emergency eye wash station and quick drench shower in the immediate work area. Respiratory protection: Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use. Dust, mist, fume-purifying respiratory protection; Air-purifying respirator with high-efficiency particulate filtering; Any respiratory protection with a electromotion fan (for dust, mist, fume-purifying); Self-contained breathing apparatus with a corpuscle filter of high efficiency. Skin protection: Wear appropriate clothing. Others: It is necessary to wear protective clothes and other protection equipment. Cover your face, head and neck. Thermal hazards: Not available
Hygiene	Do not eat or drink while working. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Appearance	Appearance (State): Solid (Pellets). Appearance (Color): Not available
Odor	Not available
Odor threshold	Not applicable
pH	Not applicable
Melting temperature	Melting point/Freezing point: Not available
Freezing point	No data available
Boiling point	Decomposes; not determined
Flash point	Not available
Evaporation rate	Not applicable (solid)
Flammability	Not available
Explosive limits	No data available
Vapor pressure / vapor density	No data available
Density	Specific gravity: 1.05 g/cm³ (ASTM D792, technical data sheet). Not stated in the maker SDS.
Solubility in water	Not available
Partition coefficient	No data available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not applicable (solid)
Oxidizing properties	Oxidising properties: Not available

10. Stability and reactivity

Reactivity	Not available
Chemical stability	This material is stable under recommended storage and handling conditions.
Hazardous reactions	Hazardous Polymerization will not occur.
Conditions to avoid	Avoid contact with incompatible materials and condition. Avoid: Accumulation of electrostatic charges, Heating, Flames and hot surfaces
Incompatible materials	Not available
Hazardous decomposition products	May emit flammable vapour if involved in fire.

11. Toxicological information

Routes of exposure	Inhalation, ingestion, eye or skin contact.
Acute toxicity	Acute toxicity, oral: Product (ATEmix): Not available; [Secret]: LD50 > 5000 mg/kg (IUCLID). Dermal: Product (ATEmix): Not available; [Secret]: LD50 > 2000 mg/kg (IUCLID). Inhalation: Not available.
Inhalation	Not inhalable in the form supplied.
Irritation	Skin corrosion/irritation: Not available. Serious eye damage/irritation: Not available
Sensitization, repeated dose, mutagenicity, carcinogenicity, reproductive toxicity	Respiratory sensitization: Not available. Skin sensitization: Not available. Germ cell mutagenicity: Not available. Carcinogenicity (IARC, OSHA, ACGIH, NTP, EU CLP): Not available. Reproductive toxicity: Not available. Specific target organ toxicity (single exposure): Not available. Specific target organ toxicity (repeated exposure): Not available. Aspiration hazard: Not available
Aspiration hazard	None expected.

12. Ecological information

Aquatic toxicity	Fish: [2-Propenenitrile polymer with 1,3-butadiene and ethenylbenzene]: LC50 11.5 mg/l 96 hr Pimephales promelas (ECOTOX); [Secret]: LC50 >1.5 mg/l 96 hr Oryzias latipes (OECD TG 203, GLP, NITE). Invertebrate: [Secret]: LC50 >1.2 mg/l 48 hr Daphnia magna (OECD TG 202, GLP, NITE). Algae: [Secret]: ErC50 >1.6 mg/l 48 hr Scenedesmus subspicatus (EbC50 > 1.6 mg/l 72 hr) (OECD TG 201, GLP, NITE). Mobility in soil: Not available. PBT and vPvB assessment: Not available. Other adverse effects: Not available
Persistence and degradability	Persistence: Not available. Degradability: Not available
Bioaccumulation	Bioaccumulation: Not available. Biodegradability: [Secret]: Biodegradability = 15 (%) 28 day (IUCLID)

13. Disposal considerations

Product	Dispose of in accordance with local, state and federal regulations. Check for recycling options. Do not release into the environment.
Packaging	Empty spools and packaging can be recycled if not contaminated.

14. Transport information

US DOT, IMDG, IATA/ICAO	UN No. (ADR/RID/ADN, IMDG, ICAO): Not applicable. UN proper shipping name: Not applicable. Transport hazard class(es): Not applicable. Packing group: Not applicable. Environmental hazards: Not available / Not applicable. Special precautions for user: Local transport follows in accordance with Dangerous goods Safety Management Law. Package and transport follow in accordance with Department of Transportation (DOT) and other regulatory agency requirements. Transport in bulk (MARPOL 73/78, IBC): Not applicable

15. Regulatory information

U.S. TSCA	No data available
SARA 313	No data available

16. Other information

NFPA hazard codes	No data available
HMIS III rating	No data available
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Prepared by	COEX LLC

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

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