



BLACK

Photopolymer Resin



Material Safety Data Sheet

Product Name: 3D Printing Resin
Revision Date: 5/21/14



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Material Safety Data Sheet

1. Product and Company Information

Product Name	3D Printing Resin
Product Number	FSL3D Proprietary Resin
Company	FSL3D, LLC
Address	6216 S. Sandhill Rd. Las Vegas, NV 89120
Telephone Number	702-802-3100

2. Composition/Information on Ingredients

Proprietary Resin

3. Hazards Identification

Emergency Overview

Irritant.
Irritating to eyes, respiratory system and skin.
Possible sensitizer.

Properties Affecting Health

Harmful by inhalation.
Harmful if swallowed.
May cause eye/skin irritation.
Suspect respiratory tract irritation.

Principle Routes of Exposure

Inhalation: May cause respiratory tract irritation. May cause irritation to nose and throat.
Headache. Nausea.

Oral: Harmful if swallowed.

Eye contact: Skin contact causes eye damage.

Skin contact: May cause skin irritation. Repeated or prolonged dermal contact may cause sensitization by skin contact.

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4. First Aid Measures

Oral Exposure: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Eye contact: In the case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek medical attention.

Ingestion: If ingested seek medical attention immediately.

Inhalation: If inhaled, remove to fresh air. If breathing is difficult, give oxygen and call a physician.

5. Fire Fighting Measures

Flash Point: Unknown on product

Autoignition Temperature: Unknown on product

Flammability: Unknown on product

Fire Fighting Information: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Emits toxic fumes under fire conditions.

Extinguishing Media: Water spray, foam, dry chemical, or carbon dioxide.

6. Accidental Release Measures

Personal precautions: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions: Keep out of drains and waterways.

Methods for cleaning up: Absorb with an inert material and then place in a chemical waste container, and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

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7. Handling and Storage

Handling: User Exposure: Do not breathe vapor. Avoid contact with eyes, skin, or on clothing. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

Storage: The storage temperature should not exceed 100 °F (38 °C). Keep tightly closed. Store in a cool, dry, well ventilated place. Do not expose to ultraviolet light.

High temperatures (>80 °C), pressure and contamination with peroxides may result in autopolymerization of the product.

8. Exposure Controls / Personal Protection

Engineering Controls: Ensure adequate ventilation. Safety shower and eye bath. Recommended use in a chemical fume hood.

Eye Protection: Wear eye/face protection such as safety goggles or glasses with side shields.

Hand Protection: Wear chemical-resistant gloves when handling.

Skin and Body Protection: Wear impermeable gloves and suitable protective clothing. Prevent contamination of skin or clothing when removing protective equipment.

Ventilation: Provide natural or mechanical ventilation to minimize exposure.

9. Physical and Chemical Properties

Appearance: Black

Physical State: Liquid

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10. Stability and Reactivity

Chemical Stability: Stable under recommended storage conditions.

Hazardous Polymerization: Reacts rapidly upon exposure to ultraviolet or blue light.

Hazardous Decomposition Products: Acrid smoke-fumes, carbon monoxide, carbon dioxide, sulfur oxides, hydrocarbons, nitrogen oxides and perhaps other toxic vapors may be released during a fire involving this product.

11. Toxicological Information

Route of Exposure

Inhalation: Material is harmful to mucous membranes and upper respiratory tract.

Multiple Routes: Causes eye and skin irritation. Harmful by inhalation, ingestion, or skin absorption.

Sensitization: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

Signs and Symptoms of Exposure: Nausea, headache, and vomiting.

12. Ecological Information

Toxic to aquatic organisms.

13. Disposal Considerations

Dissolve or mix with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

14. Transport Information

Not regulated for transportation.

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15. Regulatory Information

OSHA Hazards: Carcinogen, Target Organ Effect, Harmful by ingestion, Toxic by skin absorption, Skin sensitive, Corrosive

US Classification and label Text

Indication of Danger: Irritant.

Risk Statements: Irritating to eyes, respiratory system and skin.

US Statements: Possible sensitizer.

SARA Listed: No

16. Other Information

Additional Advice: None

Literary Reference: None

Disclaimer: The information and recommendations contained herein are believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Full Spectrum Laser assumes no responsibility and shall not be held liable for any damage resulting from handling or from contact with the above product.