

MATERIAL SAFETY DATA SHEET, ACRYLIC

Section 1	Product and Company Identification
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Material Identification

Product Name: ACRYLIC

Chemical Name: POLYMETHYLMETHACRYLATE

CAS Number: 9011-14-7

Product Use: Thermoplastic for fabrication.

Section 2	Composition/Information on Ingredients
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NA

Section 3	Hazards Identification
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Ingestion: Not a probable route of exposure. If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Skin: Molten material will cause thermal burns.

Eye: Mechanical irritation only.

Inhalation: Stock shapes are not respirable, avoid breathing dust, as fine particles can be inhaled and retained in the lungs.

Section 4	First Aid Measures
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If exposed to fumes from overheating, move to fresh air. Consult a physician if symptoms persist.

Wash skin with soap and plenty of water.

Flush eyes with water. Consult a physician if symptoms persist.

If molten acrylic contacts skin, cool rapidly with cold water. Do not attempt to peel material from skin. Obtain medical attention to thermal burn.

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Section 4 | First Aid Measures (continued)

Chronic effects: Not considered toxic.

Medical conditions generally aggravated by this material: No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product.

Section 5 | Fire Fighting Measures

Flash ignition temperature: 304°C (580°F)

Unusual fire, explosion hazards: Under fire conditions, material may decompose to form flammable and or explosive mixtures in air.

Hazardous combustion products: When heated to decomposition acrylic emits acrid smoke and irritating fumes. Irritating to eyes, respiratory system and skin.

Special fire fighting instructions: Fire fighters and others exposed to products of combustion should wear full protective clothing including self-contained breathing apparatus. Fire fighting equipment should be thoroughly decontaminated after use.

Extinguishing media: Water spray, carbon dioxide, dry chemical powder, or appropriate foam.

Section 6 | Accidental Release Measures

Spill or release: Clean up by vacuuming or sweeping to prevent falls.

Section 7 | Handling and Storage

Practice reasonable care and caution in handling.

Section 8 | Exposure Controls/Personal Protection

Eye: Safety glasses are recommended to prevent particulate matter from entering eyes while grinding or machining.

Skin: Protective gloves are required when handling hot polymer. Also, long sleeve cotton shirt and long pants if handling molten polymer.

Ventilation: Local exhaust at processing equipment to assure that particulate levels are kept at recommended levels.

Respirator: None under normal processing, if ventilation is adequate.

Section 9 | Physical and Chemical Properties

Appearance: Stock shape may be rod, plate or tube form.

Odour: Essentially odourless.

Melting point:

Solubility in water: Insoluble

Volatile content %:

Specific gravity: 1.2

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Section 10	Stability and Reactivity
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Stability at room temperature: Stable

Materials to avoid: Strong oxidizing agents.

Conditions to avoid:

Section 11	Toxicological Information
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Chronic toxicity: Not considered toxic.

Medical conditions prone to aggravation by exposure:

Carcinogenicity:

Section 12	Ecological Information
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Aquatic toxicity: Toxicity is expected to be low based on insolubility of polymer in water.

Section 13	Disposal Considerations
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Spill or release: Clean up by vacuuming or wet sweeping to minimize dust exposure.

Waste disposal: Landfill or incineration in compliance with federal, state, and local regulations.

Section 14	Transport Information
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Hazard class: NA

Shipping name: NA

Section 15	Regulatory Information
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This product contains no known toxic chemicals.

Section 16	Other Information
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