

MCC Microlithography Chemical Corp.

1254 Chestnut Street
Newton, MA 02164-1418
Tel: (617) 965-5511
Fax: (617) 965-5818

MATERIAL SAFETY DATA SHEET

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SECTION 1. CHEMICAL IDENTIFICATION

CHEMICAL NAME: Acetic Acid Solution
TRADE NAME: Acryl Strip
PRODUCT #: Acrylic Resist Remover
R072001

SECTION 2. COMPOSITION

HAZARDOUS
INGREDIENTS: Acetic Acid (CAS: 64-19-7); 99%
OTHER
INGREDIENTS: Proprietary Surfactant; <1%

SECTION 3. HAZARD DATA

INFLAMMABILITY: Flammable liquid.
SKIN CONTACT: Extremely destructive of skin.
EYE CONTACT: Extremely destructive of eyes.
INGESTION: May be harmful if swallowed.
INHALATION: Harmful by inhalation.
MUTAGENICITY: Negative in Ames test.
CARCINOGENICITY: Not known to be carcinogenic.
TARGET ORGANS: Liver, Kidneys.

SECTION 4. FIRST AID MEASURES

INHALATION: If inhaled, remove to fresh air. If patient has stopped breathing, give artificial respiration. If breathing is difficult give oxygen. Contact physician immediately.
INGESTION: Wash mouth with water. Call local poison control center for assistance. Contact a physician immediately.
SKIN CONTACT: Rinse with water for 15 minutes while removing contaminated clothing and shoes. Wash affected area with soap and water. Wash contaminated clothing before reuse.
EYE CONTACT: Rinse immediately with water, flush for 15 min. lifting eyelids frequently. Get emergency medical assistance immediately.

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SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING

MEDIA: Water, dry chemical, carbon dioxide, foam.

SPECIAL FIRE FIGHTING

PRECAUTIONS: Combustible. Wear self-contained breathing apparatus (SCBA) and personal protective equipment when exposed to products of combustion.

UNUSUAL FIRE OR

EXPLOSION HAZARDS: Emits toxic fumes under fire conditions.

SECTION 6. ACCIDENTAL RELEASE PROCEDURES

Eliminate all ignition sources.

Spills may be absorbed with paper towels and evaporated in a chemical exhaust hood. For large spills, wear self-contained breathing apparatus (SCBA), boots, and heavy gloves. Avoid eye or skin contact. Cover with dry absorbent material and collect in a closed container for disposal using non-sparking tools. Transport container outside for disposal by approved methods. Rinse with water. All clean-up should be carried out in accordance with federal, state, and local regulations.

SECTION 7. STORAGE AND HANDLING PRECAUTIONS

STORAGE: Store in tightly closed container in a cool environment away from direct sunlight.

HANDLING: Corrosive, harmful liquid.
Keep container closed.
Keep away from heat, sparks, and flames.
Do not breath vapors.
Use only with adequate ventilation.
Avoid contact with skin, eyes, and clothing.
Wear impervious gloves and protective clothing.
Wash with soap and water after handling.
Have safety shower and eye wash available.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

RESPIRATORY PROTECTION:

In case of spills, use appropriate NIOSH/MSHA approved respirator, chemical resistant glove, safety goggles and protection equipment.

VENTILATION:

Local or general mechanical ventilation is required

SKIN PROTECTION:

Chemical resistant gloves are highly recommended.

EYE PROTECTION:

Safety goggles are highly recommended.

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SECTION 9. PHYSICAL AND CHEMICAL DATA

APPEARANCE: Clear, colorless liquid
ODOR: Strong vinegar smell
BOILING POINT: 117 °C (243 °F)
SPECIFIC GRAVITY: 1.049
VAPOR PRESSURE: 11.4 mm @ 20 °C (68 °F)
VAPOR DENSITY: 2.1 (air=1)
H₂O SOLUBILITY: 100% @ 20 °C, by wt.
% VOLATILES: 100% by wt
EVAPORATION RATE: 0.75 (BuAc=1)
FLASH POINT: 40°C (104°F) TCC
AUTOIGNITION TEMP: 427°C (800°F)
EXPLOSION LIMITS: 4% Lower
16% upper

SECTION 10. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY: Acids, bases, oxidizing agents, soluble carbonates and phosphates, hydroxides, oxides, metals, acid anhydrides, peroxides, permanganates, amines alcohols, protect from moisture.
HAZARDOUS POLYMERIZATION: Will not occur
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide.

SECTION 11. TOXICITY HAZARDS

ORAL:	LD50 (rat):	3310 mg/Kg
SKIN:	LD50 (rabbit):	1060 mg/kg
INHALATION:	LC50:	5620 ppm/1H
IRRITATION:	SKN-HMN	50 mg/24H
TLV:	ACGIH(TWA)	10 ppm (25 mg/M ³)
STEL:	ACGIH	15 ppm
PEL:	OSHA (8hr TWA)	10 ppm (25 mg/M ³)

SECTION 12. ECOLOGICAL DATA

No data available at this time

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SECTION 13. DISPOSAL CONSIDERATIONS

Burn in an EPA-licensed chemical incinerator equipped with an afterburner and scrubber at an approved waste disposal facility.

SECTION 14. TRANSPORTATION INFORMATION

HAZARD CLASSIFICATION: Corrosive, Flammable Liquid
SHIPPING NAME: Acetic Acid Solution
UN NUMBER: UN 2789

SECTION 15. REGULATORY INFORMATION

HAZARDOUS LISTINGS: All ingredients appear on the TSCA Inventory of Chemical Substances, EINECS, and the Japan Hazardous Chemical Listing.
SARA Title III: This product IS NOT subject to SARA Title III, Section 313 Reporting Requirements.
CERCLA Reportable Quantity: 5,000 lbs. as acetic acid @99%
Calif. SCAQMD Rule 443.1 VOC's: 1050 g/l; vapor pressure 11.4 mm Hg @ 20 °C

SECTION 16. ADDITIONAL PRECAUTIONS AND COMMENTS

To the best of our knowledge, the above information is believed to be accurate but does not claim to be all inclusive and is intended to be used only as a guide. The supplier makes no warranty of any kind, expressed or implied, concerning the use of this product and shall not be held liable for any damage resulting from handling or from contact with the above product. User assumes all risks incident to its use.