

Material Safety Data Sheet

Prepared 5/25/10

Associated Technologies – AT-1030 (Component A - Resin) – Acrylic Adhesive

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AT-1030 (COMPONENT A)
Associated Technologies
694 Higganum Road
Durham, CT 06422

Product Type: Acrylics
Information Telephone 860-788-3380
Emergency Telephone # (800) 255-3924 (CHEM•TEL)
Outside North America #: (813) 248-0585 (Call Collect)

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

None of the ingredients below are listed as carcinogens by IARC, NTP or OSHA

CHEMICAL NAME	CAS #	Approx %	ACGIH-TLV	ACGIH-STEL	OSHA-PEL	OSHA-STEL
Synthetic Polymer Resin	NON/HAZ					
Methyl Methacrylate Monomer, Stabilized	80-62-6	60-80	100 ppm		100 ppm	
Methacrylic Acid	79-41-4	3-14	20 ppm(skin)	N/E	N/E	N/E
Organic Peroxide	80-15-9	0-7	50 ppm		50 ppm	

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

PHYSICAL STATE: Liquid COLOR: Off white. ODOR: Pungent. Acrylic.
WARNING! FLAMMABLE LIQUID AND VAPOR. MAY CAUSE ALLERGIC SKIN REACTION
MAY CAUSE EYE, SKIN, AND RESPIRATORY IRRITATION

POTENTIAL HEALTH EFFECTS:

EYE: Moderate eye irritation. Redness. Excess tearing
SKIN: Allergic skin reaction. Itching Moderate skin irritation. Redness.
INGESTION: Toxicity by ingestion is not likely to occur.
INHALATION: Moderate respiratory tract irritation. Shortness of breath. Coughing.
CHRONIC: Detailed information provided in section XI
CONDITIONS AGGRAVATED BY EXPOSURE: Respiratory disorders. Skin disorders. Eye disorders.

SECTION 4 – FIRST AID MEASURES

EYE: Immediately flush eyes with water for at least 20 minutes. Get immediate medical attention.
SKIN: Wash thoroughly with soap and water. Discard contaminated clothing. Do not use organic solvents.
If irritation occurs, get medical attention.
INHALATION: Remove person to fresh air or apply artificial respiration if not breathing. Get medical attention if short of breath or if respiratory symptoms develop.
INGESTION: Give 1-2 glasses of milk or water to conscious person. Get medical attention.
DO NOT INDUCE VOMITING

SECTION 5 – FIRE FIGHTING MEASURES

Flashpoint and Method: 51F (TCC)
Autoignition Temperature: NA
Flammable Limits: 2.1 MMA, Upper 12.5 fpr MMA

EXTINGUISHING MEDIA: Flammable liquid, insoluble in water. Use DRY chemical powder.

SPECIAL FIRE FIGHTING INSTRUCTIONS: Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and nitrogen. Hydrogen cyanide. Methylene bisphenyl isocyanate. Hydrocarbons. Smoke. Cyclopentanone. Butanediol. Tetrahydrofuran.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Remove sources of ignition. Use with ventilation. Dike area to prevent spreading. Absorb on vermiculite, sand or other inert absorbing material. Dispose of as a chemical waste in accordance with current local state, and Federal Regulations. Do not discharge into water. Incineration recommended. Wash spill area with strong detergent. After proper mixing of resin and activator sides, the material will polymerize into a cured solid state, which can be treated as a nonhazardous solid. Applicable CERCLA/RCRS waste code: 0001 (ignitability) U162 (MMA)

SECTION 7 – HANDLING AND STORAGE

STORAGE: Avoid storage over 100 degrees F, contamination with incompatible materials. Store in cool place. Do not store in direct sunlight Recommended storage in flammable containment area.

HANDLING: Avoid prolonged or repeated breathing of vapor. Avoid contact with skin and eyes. Wash hands before smoking or eating.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use local exhaust ventilation if the potential for airborne exposure exists.

PERSONAL PROTECTION:

RESPIRATORY PROTECTION: Use NIOSH approved respirator if there is potential to exceed any exposure limit(s).

SKIN PROTECTION: Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

EYE PROTECTION: Chemical splash goggles or safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT: NA

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure: 29mm at 20C **Vapor Density:** >1 Heavier than air, 3.5 for MMA

Solubility in Water: Slight **Specific Gravity:** 0.94-1.0

Boiling Point: 214F for MMA **Freezing Point:** NA

Physical State: Liquid **pH:** NA

Odor: Pungent. Acrylic **Appearance:** Light gel, milky white in color

VOC: 1.98; 1.92g/l (adhesive & activator mixed)

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SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: No known conditions to avoid. Oxidizing agents, Alkalis, Moisture. Strong acids. Strong bases. Reducing agent. Ultraviolet radiation. Amines.

HAZARDOUS POLYMERIZATION: Non known

SECTION 11 – TOXICOLOGICAL INFORMATION

PRODUCT TOXICOLOGY DATA: None available

Ingredients	Carcinogen			Target organ
	NTP	IARC	OSHA	
Methyl methacrylate	No	N/A	No	Allergen. Irritant. Nervous System. Respiratory. Kidney. Liver
Cumene hydroperoxide	No	No	No	Allergen. Central Nervous System. Corrosive. Irritant. Mutagen
Methacrylic acid	No	No	No	Allergen. Corrosive. Irritant

SECTION 12 – Ecological Information

Ecological Information: None Available

SECTION 13 – Disposal Considerations

DISPOSAL METHOD: Dispose according to EPA and local government regulations. EPE Hazardous waste #0001;U162; D003

SECTION 14 – TRANSPORT INFORMATION

DOT(49 CFR 172)

PROPER SHIPPING NAME: Adhesives / Consumer Commodity

IDENTIFICATION NUMBER: UN 1133

HAZARD CLASS: 3

PACKING GROUP: II

EXCEPTIONS: Single unit less than or equal to 1 liter

CLASS/DIVISION: ORM-D - 3

INTERNATIONAL AIR TRANSPORTATION (IATA)

EXCEPTIONS: Consumer Commodity, class 9, ID 8000, less than 500ml

SECTION 15 – OTHER INFORMATION

NFPA: Health 2 Fire 3 Reactivity 2 Special 1

HAZARDOUS MATERIALS INFORMATION SYSTEM (HMIS) RATINGS:

Health 2 Flammability 3 Reactivity 1 Protective Equipment: see Section VIII

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Material Safety Data Sheet

Prepared 5/25/10

Associated Technologies – AT-1030 (Component B - Activator) – Acrylic Adhesive

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PRODUCT NAME: AT-1030 (COMPONENT B)
Associated Technologies
694 Higganum Road
Durham, CT 06422

Product Type: Acrylics
Information Telephone 860-788-3380
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Catalyst/Initiators	NON/HAZ					

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EMERGENCY OVERVIEW:

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Autoignition Temperature: NA
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	NTP	IARC	OSHA	
Methyl methacrylate	No	N/A	No	Allergen. Irritant. Nervous System. Respiratory. Kidney. Liver
Amine condensate	No	No	No	Not Available

SECTION 12 – Ecological Information

Ecological Information: None Available

SECTION 13 – Disposal Considerations

DISPOSAL METHOD: Dispose according to EPA and local government regulations. EPE Hazardous waste #0001;U162;D003 May be mixed with EXT-Resin and disposed of as non-hazardous solid waste.

SECTION 14 – TRANSPORT INFORMATION

DOT(49 CFR 172)

PROPER SHIPPING NAME: Adhesives / Consumer Commodity

IDENTIFICATION NUMBER: UN 1133

HAZARD CLASS: 3

PACKING GROUP: II

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