

MATERIAL SAFETY DATA SHEET

Trade Name Appearing on Label: INSTANT BONDING AGENT

SECTION I PRODUCT INFORMATION

Trade Name Appearing on Label: INSTANT BONDING AGENT Chemical Name: Ethyl Acetate

Manufacturer / Distributor: Emergency Phone: 1(800)666-8177

Manufacturer / Distributor: Trans Design, Inc.
29 East Main Street Preparer: Ngu nguyen Tran

Bay Shore, NY 11706 Date Prepared: 09-20-95
Date Revised: None

Chemtrec's Emergency Telephone Number Domestic 1-800-424-9300, International 1-703-527-3887 (Collect calls accepted) is to be used "only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals."

SECTION II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity: Common Names) OSHA PEL ACGIH TLV Other Limits Recommended %(optional)

 ETHY ACETATE CAS 141-78-6
 400 PPM
 400 PPM

 BUTYL ACETATE 110-19-0
 150 PPM
 150 PPM

 ISOPROPYL ALCOHOL
 400 PPM
 400 PPM

Health-1 Flammability-3 Reactivity-0

DOT Shipping Class

Flammable Liquid, N.O.S. (Ethyl Acetate, Butyl Acetate, Isopropyl Alcohol) 3 UN 1993 II

Label: FLAMMABLE LIQUID

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: (760 mm Hg) 77o C **Specific Gravity** (H2O = 1)

Vapor Pressure (mm hg.): 20oC 73 mmHg Melting Point: N/A

Vapor Density (AIR = 1): 3.0 Evaporation Rate (Butyl Acetate = 1): 4.5

Solubility in Water: e 20 oC 8.7%

Appearance and Odor: Clear, colorless, mobile liquid with fruity/oungent mix odor

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) Flammable Limits LEL UEL TAG CLOSED CUP 68 F 2.0 11.4

Extinguishing Media

Use Co2 or dry chemical for small fires alcohol type aqueous film forming foam.

Special Fire Fighting Procedures

If potential for exposure to vapors or products of cumbustion wear complete personal protective equipment including self contained breathing apparatus, with full face piece operated in pressure demand

Unusual Fire and Explosion Hazards

Vapor is heavier than air and can travel considerable distance to source of travel ignition and flashback. Material creates special hazard if floats on water.



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SECTION V	REACTIVITY DATA
Stability: Unstable Stable X Conditions to Avoid: Heat, sparks, flame Incompatibility (Materials to Avoid): Oxidizing agents i.e. H2O2 Nitric Aid, Perchloric Acid, Chromium Trioxide Hazardous Decomposition or By products: Carbon Monoxide Hazardous Polymerization: May Occur Will Not Occur X Conditions to Avoid: Heat, sparks, flame	
SECTION VI	HEALTH HAZARD DATA
Route(s) of Entry: Inhalation? Yes Skin? X Ingestion? X. Health Hazards (Acute and Chronic) Ingestion: can cause headache, drowsiness & unconsciousness. Inhalation: Vapors are irritating to nasal passages & throat, cause stupor / headache Skin: Repeated/Prolonged contact cause drying of skin Carcinogenicity: NTP? LARC Monographs? OSHA Regulated? In Vitro. No information in VIVO — Signs and Symptoms of Exposure:	
Medical Conditions Generally Aggravated by Exposure: Significant exposure to this chemical, may adversely offset people with chronic disease or respiratory system, skin & eyes. Emergency and First Aid Procedures Contact Physician, Eyes: Flush with water, Ingestion: Induce vomitory of conscious patient immediately by giving water Inhaled: Remove patient from contaminator area, give artificial breathing if needed	
SECTION VII	PRECAUTIONS FOR SAFE HANDLING AND USE
Please to Be Taken in Case Material is Selected or Soiled Eliminate ignition sources, avoid physical contact, take container to well ventilated area, if potential fire exists blanket spill with alcohol type film forming foam or use water spray to disperse vapors clean up with absorbent material Waste Disposal Method All notification, clean up & disposal should be carried out in accordance with Federal, State & Local government regulations; Precautions to Be Taken in Handling and Storing Closed containers exposed to temperature above (120 F) in transit or storage may develop vapor pressure. Open containers slowly. Store in cool, well ventilated area away from heat, sparks & flame. Keep containers closed if not in use. Other precautions Use DOT approved containers. Do not load into compartment next to heated cargo	
SECTION VIII	CONTROL MEASURES
Respiratory Protection(Specify Type): Use a respirator approved by NIOSH/MSHA. Organic vapor cartidgen full face respirators	
Ventilation: Local Exhaust	Recommended Special: <u>Air Purifying Respirator</u> .
Mechanical (Go	eneral): N/A Other:
Protective Gloves: Neoprene or Rubber Eye Protection: Chemical Safety Goggles	
Other Protective Clothing or Equipment: In case of spills, use chemical protective clothing, gloves, boots & safety shower	
Work Hygienic Practices: Use all protective equipment, respirator, gloves, goggles etc.	