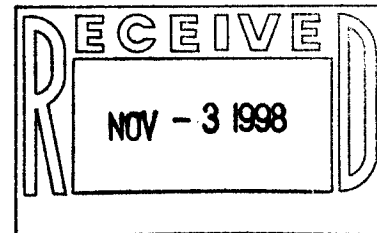


SEFAR AMERICA INC.
MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Name: FRAME ADHESIVE 301A
Distributor: Sefar America Inc.
Screen Printing Division
333 South Highland Avenue
Briarcliff Manor, NY 10510



Emergency Telephone Number: CHEM-TELL(800) 255-3924
MSDS Date of Revision: 9/28/98

Fax: (914) 941-1017

SECTION 2: PRODUCT COMPONENTS

Component	Amount	CAS#	Exposure Limits
Acetone	<78%	67-64-1	1000 ppm OSHA PEL-TWA 750 ppm ACGIH TLV-TWA 1000 ppm ACGIH TLV-STEL
Methyl Ethyl Ketone	<10%	78-93-3	200 ppm OSHA PEL-TWA 200 ppm ACGIH TLV-TWA 300 ppm ACGIH TLV-STEL
Non-Hazardous Polymer *New Jersey Trade Secret Number: 201013000000-5006P	<25%	Proprietary*	None Established

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER! Colorless to pale yellow liquid with a sweet, solvent odor. Extremely Flammable liquid and vapor. Vapor may cause flash fire. May cause eye, skin and respiratory irritation. Inhalation of vapors may cause headache, dizziness, nausea or unconsciousness.

Potential Health Effects:

Eye: Direct contact may cause irritation with redness and swelling.

Skin: May cause irritation, dryness, swelling and cracking.

Inhalation: Vapors may cause irritation of the mucous membranes and upper respiratory tract and central nervous system depression with headache, dizziness, nausea and unconsciousness.

Ingestion: May cause gastrointestinal irritation and nervous system effects similar to those described under inhalation. Aspiration into the lungs during ingestion or vomiting may cause serious lung damage.

Chronic Hazards: Prolonged or repeated skin contact may cause dermatitis. Exposure to methyl ethyl ketone may increase the potency of other neurotoxins such as hexane or methyl butyl ketone. Methyl ethyl ketone has not been shown cause neurotoxicity independently.

Medical Conditions Aggravated By Exposure: Individuals with pre-existing skin or respiratory conditions may be at increased risk from exposure to this product.

Carcinogen: None of the components are listed as a carcinogen by NTP, IARC, or OSHA.

SECTION 4: FIRST AID MEASURES

Eye: Immediately flush with water for at least 15 minutes while holding lids open to assure that the entire surface is flushed. Seek immediate medical attention.

Skin: Remove contaminated clothing. Wash thoroughly with soap & water. Launder clothing before re-use. If irritation persists seek medical attention.

Inhalation: Move victim to fresh air. Give artificial respiration if breathing has stopped. Seek immediate medical attention.

Ingestion: Immediately call Poison Control Center or an Emergency Department and follow their instructions. Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention.

SECTION 5: FIRE AND EXPLOSION DATA

Flash Point: -4F (-20 C) TOC

Flammable Limits: LEL: 1.4% UEL: 13.0%

Extinguishing Media: Dry chemical, carbon dioxide, foam or water spray.

Special Fire Fighting Procedures: Firefighters should wear self-contained breathing apparatus and full protective clothing for all fires involving chemicals. Cool fire exposed containers with water.

Unusual Fire Hazards: Extremely flammable liquid and vapor. Vapors are heavier than air and will travel along surfaces to remote ignition sources and flash back. Vapors will form explosive mixtures with air.

Combustion Products: Carbon monoxide, carbon dioxide, nitrogen oxides and traces of hydrogen cyanide.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill: Eliminate all ignition sources. Wear protective equipment to avoid contact with spilled material. Ventilate area. Use non-sparking tools. Absorb with inert material and place in container for disposal.

SECTION 7: HANDLING AND STORAGE

Handling: Avoid contact with the eyes, skin or clothing. Avoid breathing vapors or mists. Wash thoroughly after handling. Use only with adequate ventilation. Keep product away from heat and all sources of ignition. No smoking in areas of use and storage.

Storage: Store in a tightly closed container in a well ventilated, cool area. Keep away from heat and all sources of ignition.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Local exhaust ventilation may be needed to maintain exposures below the occupational exposure limit. Use explosion proof equipment if needed.

Respiratory Protection: If the exposure limit is exceeded, use a NIOSH approved organic vapor or supplied air respirator. Respirator selection depends upon the process, conditions and contaminant concentration. Use appropriate respiratory equipment recommended by an Industrial Hygienist or other Health Professional.

Skin Protection: Butyl rubber or teflon gloves as needed to prevent skin contact.

Eye Protection: Wear chemical splash goggles.

Other Protective Equipment: Wear appropriate protective clothing to prevent skin contact. A safety shower and eye wash facility should be available in the work area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Colorless to pale yellow liquid with a sweet, solvent odor. The odor threshold for acetone is reported to be 62 ppm. The odor threshold for methyl ethyl ketone is reported to be 17 ppm.

pH: Not applicable

Boiling Point: 133 F (56 C) (acetone)

Specific Gravity: 0.86

Melting Point: Not available

Water Solubility: Partial

Vapor Pressure: 180 mm Hg @ 20 C

Vapor Density: 2.5 (air=1)

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Incompatibility/Conditions to Avoid: Strong oxidizing agents and acids.

Hazardous Decomposition Products: When heated can decompose to carbon dioxide, carbon monoxide, oxides of nitrogen, and traces of hydrogen cyanide.

Hazardous Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity Values: Acetone: LD50 Oral Rat - 5,800 mg/kg; LC50 Inhalation Rat - 50,100 mg/m³/8 hr;
LD50 Skin Rabbit - 20 gm/kg
Methyl Ethyl Ketone: LD50 Oral Rat - 2,737 mg/kg; LC50 Inhalation Rat - 23,500 mg/m³/8 hr;
LD50 Skin Rabbit - 6,480 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

No data available at this time.

SECTION 13: DISPOSAL INFORMATION

Dispose in accordance with local, state and federal regulations. Incineration is the preferred method. This product is a RCRA hazardous waste when disposed of as purchased.

SECTION 14: TRANSPORT INFORMATION

DOT Proper Shipping Name: Adhesives

ID Number: UN1133

Class/Packing Group: 3 / III

Labels Required: Flammable Liquid

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: Product: 6,400 lbs (Acetone - 5,000 lbs)

SARA TITLE III:

Hazard Category for Section 311/312: Acute Health, Chronic Health, Fire Hazard

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements:

Methyl Ethyl Ketone	78-93-3	10% Max
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Section 302 Extremely Hazardous Substances (TPO): None.

EPA Toxic Substances Control Act (TSCA) Status: The ingredients of this product are all on the TSCA Inventory list.

INTERNATIONAL REGULATIONS:

Canadian WHMIS Classification: Class B, Division 2 (Flammable Liquid); Class D, Division 2, Subdivision B (Toxic Material causing other chronic effects)

Canadian DSL: All of the components of this products are on the Canadian Domestic Substances List.

Australian AICS: All of the components of this product are listed on the Australian Inventory of Chemical Substances.

STATE REGULATIONS:

California Proposition 65: This product contains less than 0.2% toluene, which is known to the State of California to cause birth defects (developmental toxicity).

SECTION 16: OTHER INFORMATION

NFPA Rating: Health - 2 Flammability - 3 Reactivity - 0

HMIS Rating: Health - 2 Flammability - 3 Reactivity - 0

MSDS Prepared by: Denese A. Deeds, CIH
Industrial Health & Safety Consultants, Inc.
Woodbridge, CT 06525

Approved By: Manager, Screen Printing Division, Sefar America Inc.