



"THE POWER OF ADHESIVE INFORMATION"

# Material Safety Data Sheet

## FRAME FAST® LIQUID STAPLE® # 850 ADHESIVE AND SCREEN BLOCK OUT MATERIAL SAFETY DATA SHEET

### Section 1 - Chemical Product Identification

Product Name: Liquid Staple® # 850 Adhesive and Screen Block Out  
Product Type: Polyester Resin Solution

Item Number: 850

### Section 2 - Composition, Information on Ingredients

Ingredients:

	<u>CAS Number</u>	<u>Percent</u>
Methylene chloride	75-09-2	83.0
Non-Hazardous and other ingredients	Proprietary	Balance

### Section 3 - Hazards Identification

A hazardous evaluation of this product has been performed. The component listed below is identified as a hazardous chemical under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Toxicity: Components:

Methylene Chloride:

Can cause liver and kidney damage and arrhythmias. Benign and malignant lung and liver tumors were observed in mice; increases in benign mammary tumors in rats. Bone marrow micronucleus was negative. Found to be mutagenic bacteria

Oral LD50	Rat	2,136 mg/kg
	Rat	1,600 mg/kg
Inhalation LD50	Mouse	14,400 ppm/7-hours
	Rat	88g/M3

This data is derived from animal studies. Methylene chloride is not believed to pose a measurable carcinogenic risk to man when handled as recommended.

Emergency overview: Causes eye and skin irritation. Do not inhale, can cause death if too much is breathed; can cause central nervous system and carbon monoxide-like effects (carboxyhemoglobinemia) and respiratory tract irritation. Harmful if swallowed, can cause digestive tract irritation, nausea, vomiting, and diarrhea. Possible cancer hazard. Contains Methylene chloride, which may cause cancer, based on animal data. Risk of cancer depends on duration and level of exposure.

### Section 3 - Hazards Identification (cont.)

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Primary routes of entry: Eye, Skin, and inhalation (breathing).

Eye contact: Causes moderate irritation. Can cause burning sensation, tearing, and redness.

Skin contact: Causes moderate irritation. Can be absorbed through the skin in harmful amounts. Can cause redness, itching, and burning sensation.

Inhalation (Breathing): Irritation to the eyes, nose, and respiratory tract. Can cause dizziness, headaches, and incoordination.

Can cause anesthetic and/or narcotic effects.

Ingestion (Swallowing): Severely irritating to the mouth, throat and stomach. Can be harmful if swallowed. Can cause dizziness, faintness, headache, and incoordination. Possible aspiration hazard.

Target Organs/Chronic Effects: Liver. Kidneys. Nervous System. Blood and/or blood forming organs: Heart and/or circulatory system. Skin. Eyes. Conditions aggravated by exposure: Liver. Kidneys. Nervous system. Blood and/or blood forming organs. Heart and/or circulatory system. Skin.

Carcinogenicity:	ACGIH	IARC	NTP	OSHA	
Methylene Chloride		Yes	Yes	Yes	Yes

### Section 4 - First Aid Procedures

Eye Contact: Flush eyes with plenty of water for 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Remove contaminated clothing. Wash with soap and plenty of water. Get medical attention if irritation develops. Wash contaminated clothing separately before re-use.

Inhalation (Breathing): Remove to fresh air. If symptoms develop, seek immediate medical attention. If not breathing give artificial respiration.

Ingestion (swallowing): Seek medical attention. INDUCE vomiting, as directed by medical personnel. Do not give anything by mouth to an unconscious person.

Notes to Physician: Certain chlorinated hydrocarbons can cause arrhythmias, including ventricular tachycardia and fibrillation. This effect is potentiated by endogenous adrenergic agents released during emotional or physical stress or excitement, or by the administration of epinephrine-like drugs.

### Section 5 - Flammability and Explosive Properties

Flash Point <200°F 93.3°C

Method: Seta flash Closed Cup

Explosive Limits: LBL (%) Not Determined UEL (%) Not Determined

Auto ignition: Not Determined

Hazardous Combustion and Decomposition Products: Smoke, soot, and toxic/irritating fumes (carbon dioxide, carbon monoxide, etc.) Hydrogen Chloride.

Fire and Explosion Hazards: High temperatures can cause sealed containers to rupture due to a buildup of internal pressure. Cool with water. During a fire, irritating and highly toxic gasses may be generated during combustion or decomposition.

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

LARGE FIRES: water spray, fog, or alcohol foam.

Fire Fighting Procedures/Equipment: Fire fighters and others who may be exposed to the products of combustion should be equipped with NIOSH-approved positive pressure self-contained breathing apparatus (SCBA) and full protective clothing.

### Section 6 - Spill or Leak Procedures

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### Steps to take in case of a spill or leak:

**Evacuation:** Isolate hazard area. Keep unnecessary and unprotected personnel from entering area.

**Containment:** Safely stop discharge. Contain material, as necessary, with a dike or barrier. Stop material from contaminating soil, or from entering sewers or bodies of water.

**Clean Up/Personal Protection Equipment:** Appropriate safety measures and protective equipment should be used. Use supplied air respirator or self-contained breathing apparatus in enclosed spaces or if airborne exposure limits can be exceeded. See section 8.

**Collection and Disposal:** Stop discharge, if safe to do so. Use proper protective equipment. Cover spills with absorbent clay or sawdust and place in closed chemical waste containers. Dispose of according to applicable local, state, and federal regulations.

**Reporting of Spills:** Spills of this material in excess of a component's RQ must be reported to the National Response Center (1-888-424-8802)

and to the appropriate state and local emergency response organizations.

Methylene Chloride: RQ=1000 LB

### Section 7 - Handling and Storage Information

**Storage containers:** Store in a cool, dry, well-ventilated area away from heat, ignition sources, and direct sunlight. Keep containers tightly closed. **Transfer:** No special precautions are needed. Follow good manufacturing and handling practices.

**Personal Hygiene:** Wash thoroughly after handling, especially before eating, drinking, smoking, and using restroom facilities. Wash contaminated goggles, face shield, and gloves. Professionally launder contaminated clothing before re-use.

**Special Handling:** Vapors are heavier than air and will collect in confined and low areas. Do not enter areas where vapors are suspected unless special breathing equipment is used and an observer is present for assistance.

**Empty Container Precautions:** ATTENTION! This container may be hazardous when empty. Follow label warnings even after container is emptied since empty containers may retain product residues. Do not reuse empty container without professional cleaning for food, clothing, or products for human or animal consumption or when skin contact might occur.

### Section 8 - Exposure Controls, Personal Protection

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