



## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** SAATlchem CATALYST FOR ULTRAFIX SB2 PLUS

**General Use:** Adhesive used for bonding screen print mesh to the frame.

**Manufacturer:** SAATlchem  
2050 Hammond Dr. Schaumburg, IL 60173  
Tel: 1-877-296-7697 or 1-847-296-7697 (Monday-Friday 8:00am – 4:30pm CST)  
Fax: 1-847-296-7408  
www.saatiamericas.com

**Emergency Telephone Number:** INFOTRAC 800-535-5053 or 352-323-3500, 24-hours everyday

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	Percentage	CAS Number	OSHA PEL	ACGIH TLV
4,4'-diphenylmethane diisocyanate	25 - 30	101-68-8	0.020 ppm STEL	0.005 ppm TWA
Ethyl Acetate	64 - 74	141-78-6	400 ppm	500 ppm

\*\*\* The specific chemical identity and/or weight percent is being withheld as a trade secret

### 3. HAZARDS IDENTIFICATION

#### Emergency Overview

Yellow liquid with aromatic odor. **WARNING—EXTREMELY FLAMMABLE LIQUID AND VAPOR.** Harmful by inhalation. Keep away from heat, sparks, and flame. Use only with adequate ventilation. Store in tightly closed containers. May cause eye, skin, and respiratory tract irritation. Repeat exposure may effect lung, blood, and central nervous system. Can cause sensitization to isocyanates.

#### Potential Health Effects

**Eye:** Direct contact will cause irritation, tearing or reddening. Vapor may irritate.

**Skin:** May cause mild irritation and dermatitis

**Ingestion:** Nausea and vomiting.

**Inhalation:** Vapor may cause irritation of throat, cough, pulmonary secretions, chest pain, dyspnea, or asthma.

**Chronic Effects/Carcinogenicity:** None known.

### 4. FIRST AID MEASURES

**Eyes:** Immediately flush with water at least 15 minutes. Get medical attention immediately.

**Skin:** Wash with plenty of water. If irritation persists, seek medical attention. Remove contaminated clothing. Wash contaminated clothing prior to using them again.

**Ingestion:** Do not induce vomiting. Get medical attention immediately.

**Inhalation:** Remove to fresh air. Get medical attention if breathing difficulties persists.

## 5. FIRE FIGHTING MEASURES

**Flash Point / Method:** 33.8°F (TCC)

**Flammable Limits:**

Lower Flammable Limits: 2.0% (ethyl acetate)

Upper Flammable Limits: 11.5% (ethyl acetate)

**Extinguishing Media:** Carbon dioxide, foam, or dry chemical

**Autoignition Temperature:** Not available

**Protection of Fire Firefighter:** Wear full protective equipment and self-contained breathing apparatus.

**Fire & Explosion Hazards:** Flammable. Vapor may form explosive mixtures with the air. Heated containers may pressurize and rupture.

## 6. ACCIDENTAL RELEASE MEASURES

**Small spill:** Remove ignition sources. Use appropriate absorbent. Allow volatile portion to evaporate in a well ventilated area.

**Large spill:** Remove ignition sources. Cover with inert absorbent material. Collect spillage by means of spark proof equipment. Hold for proper chemical disposal.

**Spillage in waters:** remove the liquid from the surface with flame-proof pumps or manual pumps or with a suitable absorbent material. Resort to sinking and/or dispersion of the product with suitable substances in open waters, if permitted by the law.

## 7. HANDLING AND STORAGE

Store in the original containers in a well ventilated area. Keep away from ignition sources, heat, and oxidizers. Exercise caution when handling. Use properly grounded, non-sparking equipment when transferring large quantities. Wear the required PPW and provide adequate ventilation.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Control airborne concentrations below the exposure limits. Use only with adequate general ventilation and/or non-sparking local exhaust/ ventilation. Avoid personal contact.

**Respiratory Protection:** Respiratory protection is recommended, but not required when working in an adequately ventilated area. If concentrations are over the exposure limits, use a NIOSH-approved air purifying respirator with an organic vapor cartridge or canister.

**Skin Protection:** Neoprene gloves

**Eye Protection:** Safety glasses

**Other Protective Clothing or Equipment:** Protective apron or smock is recommended

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid

**Appearance:** yellow

**Odor:** Slight

**Vapor Pressure:** 73 mmHg

**Specific Gravity:** 1.000

**Solubility in Water:** Insoluble

**pH:** Not available

**Vapor Density:** >1 (air=1)

**Evaporation Rate:** >1 (butyl acetate=1)

**Boiling Point:** 172.4°F

**Melting Point:** Not available

**Percent Volatiles:** 60%

**Percent Volatiles (less water and exempt solvents):** 60%

**Volatile Organic Compounds:** as applied 175 g/L (EPA Method 24)

## 10. STABILITY AND REACTIVITY

**Stability/Conditions to avoid:** Stable

**Materials to avoid:** Strong oxidizers, flame, and water.

**Conditions to avoid:** heat

**Hazardous decomposition products:** Carbon dioxide and Carbon monoxide

**Hazardous polymerization:** Will not occur

## 11. TOXICOLOGICAL INFORMATION

Not found to be a carcinogen

**Acute Toxicity Data:**

LD50: 4,4'-diphenylmethane diisocyanate: 9200mg/kg oral (rat)

LC50: Not Determined

## 12. ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment.

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all current local, state, and federal regulations.

## 14. TRANSPORT INFORMATION

**US DOT:** Resin solution, flammable, UN1866, 3, PGII

**Transport Canada:** Resin solution, flammable, UN1866, 3, PGII

**IATA:** Resin solution, flammable, UN1866, 3, PGII

**IMO:** RESIN SOLUTION flammable, UN1866, 3, PGII

## 15. REGULATORY INFORMATION

### US Federal Regulations

**TSCA:** All components of this product are listed on the TSCA Inventory.

**CERCLA (40 CFR 117.302):** Ethyl Acetate, RQ=5000 lbs.

**SARA Title III (40 CFR 372)**

**Section 311/312 Hazard Categories:** None

**Section 313 Reportable Ingredients:** None

### US State Regulations

**Pennsylvania Right-To-Know Act reportable components:** Ethyl Acetate (CAS# 141-78-6)

**California Proposition 65 reportable components:** None.

### Canadian Regulations

**DSL:** All components of this product are listed on the Domestic Substances List.

**16. OTHER INFORMATION**

**HMIS Rating:** Health-1, Fire-3, Reactivity-1, Personal Protection-B

**MSDS prepared by:** Joey Mucha, Regulatory Affairs Coordinator

**Supercedes Date:** January 16, 2004

**Revision Date:** November 7, 2006