

MATERIAL SAFETY DATA SHEET

SAATICHEM™

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: ULTRAFIX CA40, CA50, CA100, CA150 and CA5000**General Use:** Adhesive to mount fabric on screen-printing frames**Manufacturer:** SAATICHEM
901 N. Business Center Drive, Mount Prospect, IL 60056 USA
Tel: 1-877-296-7697 or 1-847-296-7697 (Monday-Friday 8:00am – 4:30pm CST)
Fax: 1-847-296-7408
www.saati.com**Emergency Telephone Number:** INFOTRAC 800-535-5053 or 352-323-3500, 24-hours everyday**MSDS prepared by:** Joey Mucha, Regulatory Affairs Coordinator**Supersedes Date:** August 16, 2001**Revision Date:** April 25, 2003

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Percentage	CAS Number	OSHA PEL	ACGIH TLV
Ethyl Cyanoacrylate	90-100	7085-85-0	Not applicable	0.2 PPM TWA
Poly(methylmethacrylate)	3-10	9011-14-7	Not applicable	Not applicable
Hydroquinone	0.1-0.5	123-31-9	2.0 mg/m ³	2.0 mg/m ³

This material is classified as hazardous under OSHA regulations.

3. HAZARDS IDENTIFICATION

Emergency OverviewClear, colorless to amber liquid with sharp, irritating odor. **WARNING**—COMBUSTIBLE LIQUID AND VAPOR. BONDS TISSUE INSTANTLY. May cause eye, skin, and respiratory tract irritation. May cause allergic respiratory reaction.**Potential Health Effects****Eye:** Bonds tissue instantly. Causes tearing.**Skin:** Bonds tissue instantly. May causes irritation.**Ingestion:** Not expected—solidifies instantly in mouth.**Inhalation:** Vapor causes irritation of eyes and respiratory tract. Prolonged or repeated exposure to vapor may cause allergic, asthmatic respiratory reaction.**Chronic Effects/Carcinogenicity:** None known.

4. FIRST AID MEASURES

Eyes: Immediately flush with warm water. Allow adhesive to dissociate from eyeball on its own (typically 1 to 4 days). Get medical attention.**Skin:** Soak in warm, soapy water. Peel surfaces apart—do not pull or force. Get medical attention if irritation persists.

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

Inhalation: Remove to fresh air. Get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point / Method: 185°F / TCC.

Flammable Limits: Not available

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

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

Fire & Explosion Hazards: Combustible liquid. Can form explosive mixtures at temperatures at or above the flashpoint. Containers can build up pressure if exposed to heat.

Sensitivity to Mechanical Impact: Stable

Sensitivity to Static Discharge: Not available

6. ACCIDENTAL RELEASE MEASURES

Small spill: Harden with activator. Remove from substrate.

Large spill: Eliminate with ignition sources. Flood adhesive with water to polymerize. Absorb spill with inert material (e.g., dry sand or earth). Retain for proper removal and treatment.

7. HANDLING AND STORAGE

Keep away from heat and flame. Avoid breathing vapor. Keep container closed. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Do not expose to moisture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the exposure limits.

Respiratory Protection: 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 or goggles

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Appearance: Clear, colorless to amber

Odor: Sharp, irritating

Vapor Pressure: <0.2 mmHg at 75°F

Specific Gravity: 1.05

Solubility in Water: Insoluble

pH: Not applicable

Vapor Density: ~3 (air=1)

Evaporation Rate: >1 (butyl acetate=1)

Boiling Point: >300°F

Melting Point: Not available

Percent Volatiles: 100%

Volatile Organic Compounds: 994 g/L

10. STABILITY AND REACTIVITY

Stability/Conditions to avoid: Stable

Materials to avoid: Water, alcohols, amines, and alkalis.

Hazardous decomposition products: Irritating organic fragments.

Hazardous polymerization: Will not occur

11. TOXICOLOGICAL INFORMATION

For ethyl cyanoacrylate (CAS#7085-85-0)
LD50 oral (rat) > 5 ml/kg

For hydroquinone (CAS#123-31-9)
LD50 oral (rat) = 302 mg/kg

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:

Aviation Regulated Liquid, n.o.s., (Ethyl-2-cyanoacrylate), 9, UN3334 via air
Combustible Liquid, n.o.s., (Ethyl-2-cyanoacrylate), 3, UN1993 via ground and vessel

Transport Canada:

Aviation Regulated Liquid, n.o.s., (Ethyl-2-cyanoacrylate), 9, UN3334 via air
Not regulated via ground or vessel

IATA: Aviation Regulated Liquid, n.o.s., (Ethyl-2-cyanoacrylate), 9, UN3334

IMO: Not regulated

15. REGULATORY INFORMATION

US Federal Regulations

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

CERCLA (40 CFR 117 & 302): This material contains a Reportable Quantity (RQ) Substance, hydroquinone, and if 1 pound of hydroquinone is released, notification to the National Response Center, Washington, DC (1-800-424-8802) is required.

SARA Title III (40 CFR 372)

Section 311/312 Hazard Categories: Immediate Health. Fire.

Section 313 Reportable Ingredients: Hydroquinone (CAS#123-31-9).

US State Regulations

Pennsylvania Right-To-Know Act reportable components: Hydroquinone (CAS#123-31-9).

California Proposition 65 reportable components: None.

Canadian Regulations

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

WHMIS Classification: Class B3

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

HMIS Rating: Health-2, Fire-2, Reactivity-2, Personal Protection-C

Revision Summary: New trade name.