



## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** SAATIchem Fixer 9

**General Use:** Screen printing stencil hardener

**Manufacturer:** SAATIchem  
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
Sulfonic Acids Mixture	< 2.0	Mixture	Not established	Not established
Hydrochloric Acid	4.0 – 8.0	7647-01-0	Not established	7.5 mg/m3 airbourne TWA

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

### 3. HAZARDS IDENTIFICATION

**Emergency Overview:** CAUTION – Causes burns. Possible eye and skin irritant.

**Potential Health Effects:**

**Eye:** Direct contact may cause irritation, tearing, and/or reddening of eyes.

**Skin:** Prolonged exposure may cause irritation

**Ingestion:** Large quantities may cause gastrointestinal irritation or damage.

**Inhalation:** Not expected during normal use.

**Chronic Effects:** None recorded.

**Carcinogenicity:** Not found to be a carcinogen

### 4. FIRST AID MEASURES

**Eyes:** Irrigate with water for at least 15 minutes. Seek medical attention if irritation persists

**Skin:** Immediately wash with plenty of water. Remove all contaminated clothing and wash before using again.

**Ingestion:** Drink copious amounts of water to dilute. Do not give anything by mouth to an unconscious person. Obtain immediate medical attention. Induce vomiting only if authorized by a physician.

**Inhalation:** Remove to fresh air. Adverse effects are not expected, but if breathing does become irregular or stopped, administer artificial respiration and obtain immediate medical attention.

### 5. FIRE FIGHTING MEASURES

**Flash Point / Method:** not available  
**Flammable Limits:** not available  
**Extinguishing Media:** water spray to cool containers  
**Autoignition Temperature:** not available  
**Protection of Fire Firefighter:** wear full face respirators and protective suit at all times  
**Fire & Explosion Hazards:** This product will not burn, but may emit dangerous decomposition vapors at elevated temperatures

## 6. ACCIDENTAL RELEASE MEASURES

**Small spill:** Remove heat and ignition sources. Dilute with large amounts of water and flush to waste.  
**Large spill:** Remove heat and ignition sources. Contain spill and cover with inert absorbent material. Collect spillage and hold for proper chemical disposal.

## 7. HANDLING AND STORAGE

Store in a well ventilated cool place. Keep containers closed when not in use. Keep away from sources of heat and ignition.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Provide adequate ventilation. Wash hands prior to eating, drinking, and smoking.

**Respiratory Protection:** Recommended when adequate local exhaust is not available, NIOSH approved organic vapor cartridge.

**Skin Protection:** gloves, required

**Eye Protection:** goggles, required

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid

**Appearance:** colorless

**Odor:** odorless

**Vapor Pressure:** not available

**Specific Gravity @ 20C:** 1.020 kg/L

**Solubility in Water:** completely

**pH:** 2.2

**Vapor Density:** not available

**Evaporation Rate:** not available

**Boiling Point:** > 100C

**Melting Point:** not available

## 10. STABILITY AND REACTIVITY

**Stability/Conditions to avoid:** Stable in normal use and storage

**Materials to avoid:** bases

**Conditions to avoid:** heat, prolonged exposure to metals

**Hazardous decomposition products:** thermal decomposition may produce dangerous vapors. Will cause metal to corrode with the development of hydrogen and oxidizing agents that will release chlorine

**Hazardous polymerization:** will not occur

## 11. TOXICOLOGICAL INFORMATION

**Carcinogenicity:** none reported

**Acute Toxicity Data:** not available

## 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

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):** Hydrochloric Acid (RQ=5000lbs.).

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

**Section 311/312 Hazard Categories:** Hydrochloric Acid (TPQ=10,000lbs.).

**Section 313 Reportable Ingredients:** Hydrochloric Acid (TQ=10,000lbs.).

### US State Regulations

**Pennsylvania Right-To-Know Act reportable components:** None.

**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-0 , Reactivity- 1 , Personal Protection- B

**Revision Summary:** New Formula

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

**Supercedes Date:** August 14, 2006

**Revision Date:** October 30, 2006