



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Fixer 9

General Use: Screen printing stencil hardener

Manufacturer: SAATIchem
2050 Hammond Dr. Schaumburg, IL 60173
Tel: 1-847-925-8570 (Monday-Friday 8:30am – 5:00pm CST)
Fax: 1-847-925-9278
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/m ³ airborne 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

MSDS prepared by: Joie Mucha, Regulatory Affairs Coordinator

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Note for users:

The information contained in the present sheet is based on our knowledge, on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property. The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.