

SAFETY DATA SHEET

U.S. HazCom GHS Format



Date Issued : 10/28/2014

MSDS No : 124

FIXER 9

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FIXER 9

GENERAL USE: Screen printing stencil hardener

PRODUCT DESCRIPTION: Stencil Hardener

PRODUCT CODE: SCHS003, SCHS00300PQ001, SCHS00300PG001, SCHS00300ZG50C

MANUFACTURER

SAATI

Chemicals

201 Fairview St. Extension

Fountain Inn, SC 29644

Emergency Contact: Ross Balfour

Emergency Phone: 847-942-1719

Alternate Emergency Phone: 864-601-8710

Customer Service: 800-431-2200

Transportation: 864-601-8305

E-Mail: info.us@saati.com, <http://msds.saatiexpress.com>

24 HR. EMERGENCY TELEPHONE NUMBERS

INFOTRAC 800-535-5053 or 352-323-3500, 24-hours
everyday

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Corrosion, Category 1B

GHS LABEL



GHS05

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H314: Causes severe skin burns and eye damage.

PRECAUTIONARY STATEMENT(S)

Prevention:

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P264: Wash skin thoroughly after handling.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

Response:

P310: Immediately call a POISON CENTER or doctor/physician.

P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P363: Wash contaminated clothing before reuse.

P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage:

P405: Store locked up.

Disposal:

P501: Dispose of contents/container in accordance with federal/state/local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Hydrochloric Acid	1 - 10	7647-01-0
Glyoxal	1 - 5	107-22-2

4. FIRST AID MEASURES

EYES: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

SKIN: Wash off with soap and plenty of water. Consult a physician.

INGESTION: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

INHALATION: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

HAZARDOUS COMBUSTION PRODUCTS: Carbon oxides

FIRE FIGHTING EQUIPMENT: Wear self contained breathing apparatus for fire fighting if necessary.

HAZARDOUS DECOMPOSITION PRODUCTS: Not Available

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Clean surface thoroughly to remove residual contamination.

LARGE SPILL: Wear suitable protective equipment. Do not touch or walk through spilled material. Contain spillage, soak up with absorbent material such as sand, earth, vermiculite and transfer to a container for disposal according to local/state/federal regulations. Flush spill area with water.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with eyes, skin, and clothing. Avoid inhalation of vapors. Wash thoroughly after handling.

STORAGE: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

SHELF LIFE: 12 months

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE GUIDELINES**

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Hydrochloric Acid	TWA			NL	NL
	STEL			NL	NL
Glyoxal	TWA		0.1 IV		

ENGINEERING CONTROLS: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US).

SKIN: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

RESPIRATORY: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US).

PROTECTIVE CLOTHING: Apron recommended.

WORK HYGIENIC PRACTICES: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when handling this material: (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics areas with this material stored. (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the restrooms. (3) Wash exposed skin promptly to remove accidental splashes of contact with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Odorless

COLOR: Colorless

pH: > 2

PERCENT VOLATILE: Not Available

FLASH POINT AND METHOD: Not Available

FLAMMABLE LIMITS: Not Available

AUTOIGNITION TEMPERATURE: Not Available

VAPOR PRESSURE: Not Available

VAPOR DENSITY: Not Available

BOILING POINT: Not Available

FREEZING POINT: Not Available

POUR POINT: Not Available

THERMAL DECOMPOSITION: Not Available

SOLUBILITY IN WATER: completely soluble

EVAPORATION RATE: Not Available

SPECIFIC GRAVITY: 1.02

VISCOSITY: Not Available

MOLECULAR WEIGHT: Not Available

10. STABILITY AND REACTIVITY

STABLE: Yes

STABILITY: Stable under recommended storage conditions.

CONDITIONS TO AVOID: Heat, prolonged exposure to metals

HAZARDOUS DECOMPOSITION PRODUCTS: Not Available

INCOMPATIBLE MATERIALS: Bases

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	INHALATION LC ₅₀ (rat)
Glyoxal	3300 mg/kg [Rat]	2.44 mg/L [Rat] 4 h

DERMAL LD₅₀: Not yet determined for this product

ORAL LD₅₀: Not yet determined for this product

INHALATION LC₅₀: Not yet determined for this product

EYE EFFECTS: Causes serious eye damage.

SKIN EFFECTS: Causes severe skin burns.

CARCINOGENICITY

Chemical Name	IARC Status
Hydrochloric Acid	3

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrochloric acid)

NTP: Not listed

OSHA: Not listed

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No specific data are available for this product. Handle it according to good working practices. Avoid littering. Do not contaminate soil, sewers and waterways. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation. Please take all the proper measures to reduce harmful effects on aquifers.

13. DISPOSAL CONSIDERATIONS**DISPOSAL METHOD:** Dispose of in accordance with all current local, state and federal regulations.**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)****PROPER SHIPPING NAME:** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (hydrochloric and)**PRIMARY HAZARD CLASS/DIVISION:** 8**UN/NA NUMBER:** 3264**PACKING GROUP:** III**U.S. CUSTOMS HARMONIZATION NUMBER:** 3707.90.0000**15. REGULATORY INFORMATION****UNITED STATES****DOT LABEL SYMBOL AND HAZARD CLASSIFICATION**

Corrosive

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**311/312 HAZARD CATEGORIES:** ACUTE HEALTH HAZARD, CHRONIC HEALTH HAZARD,**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes**313 REPORTABLE INGREDIENTS:** CAS # 7647-01-0**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

Chemical Name	Wt.%	CAS
Hydrochloric Acid	1 - 10	7647-01-0

302/304 EMERGENCY PLANNING**EMERGENCY PLAN:** None**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

Chemical Name	Wt.%	CERCLA RQ
Hydrochloric Acid	1 - 10	5,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Hydrochloric Acid	7647-01-0
Glyoxal	107-22-2

TSCA REGULATORY: All components of this product are listed on the TSCA Inventory.**CLEAN AIR ACT**

Chemical Name	Wt.%	CAS
Hydrochloric Acid	1 - 10	7647-01-0

REGULATIONS

STATE REGULATIONS: CAS # 7647-01-0: CA Hazardous Substance, Delaware Air Quality Management, Idaho Air Pollutant, Illinois Toxic Air Contaminant, Maine Hazardous Air Pollutant, Massachusetts Hazardous Substance, Minnesota Hazardous Substance, New Jersey RTK Hazardous Substance, New Jersey TCPA EHS, New York Hazardous Substance, North Carolina Toxic Air Contaminant, Pennsylvania Hazardous Substance, Washington PELs for Air Contaminants, Wisconsin Hazardous Air Contaminant.

CALIFORNIA PROPOSITION 65: None**CANADA****WHMIS HAZARD SYMBOL AND CLASSIFICATION**



Corrosive

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): Controlled Product

WHMIS CLASS: E

DOMESTIC SUBSTANCE LIST (INVENTORY): All components of this product are listed on the Domestic Substances List.

16. OTHER INFORMATION

REASON FOR ISSUE: U.S. HazCom GHS Format

APPROVED BY: Ross Balfour **TITLE:** Global Business Unit Manager

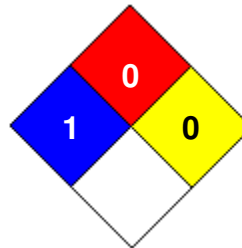
PREPARED BY: SDS Regulatory Specialist

INFORMATION CONTACT: Kathy Tylka

HMIS RATING

HEALTH	<input type="checkbox"/>	1
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

NFPA CODES



MANUFACTURER DISCLAIMER: 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.