



Material Safety Data Sheet

95 Goodwin Street, East Hartford, CT., 06108 (860) 528-9838

Date Prepared 9/1/2008

SECTION I - IDENTIFICATION

IDENTITY (As Used on Label) CAC Etching Compound

COMMON NAME Concrete Etching Solution

HAZARD RATING	Health	3
0 = Least	Flammability	0
1 = Slight	Reactivity	0
2 = Moderate	Personal Protection	H
3 = High		
4 = Extreme		

SECTION II - PRODUCT COMPONENTS

	CAS.#	OSHA PEL	ACGIH TLV
Hydrochloric Acid ¹	7647-01-0	5ppm	NA
Non-hazardous ingredients	NE ²	NA	NA
Water	7732-18-5	NA	NA

¹Hydrochloric Acid is listed in SARA III, Part 372, SEC. 313.

²Not Established

T.S.C.A. Status - O.K. on all components

FOR SPILL, LEAK, FIRE, OR ACCIDENT, CALL CHEMTREC 24-HOUR EMERGENCY NUMBER 1-800-424-9300

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	230F	Specific Gravity (H2O = 1)	1.16
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation rate (Butyl Acetate = 1)	<1

Volatile Organic Compounds (VOC) = Zero grams/liter

Solubility in Water Water Soluble.

Appearance and Odor Fuming liquid, acid odor.

SECTION IV - FIRE and EXPLOSION HAZARD DATA

Flash Point (Closed Cup Method)	N/A	Flammable Limits	LEL	UEL
			N/A	N/A

Extinguishing Media Non - Flammable

Special Firefighting Procedures

Cool containers with water to prevent overheating of contents. Wear full protective gear including SCBA.

Unusual Fire and Explosion Hazards

Water applied to acid will cause spattering. May release hydrogen gas.

SECTION V - REACTIVITY DATA

Stability	Unstable		Conditions to Avoid
	Stable	X	Avoid temperatures higher than normal outdoor.

Incompatibility (Materials to Avoid) Other cleaners, organic materials, or combustible materials.

Hazardous Decomposition or Byproducts Contact with some metals may release hydrogen gas.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	Not known to polymerize.

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes

Signs and Symptoms of Exposure Irritation or burning of exposed areas.

Health Hazards (Acute and Chronic)

Persons with lung disorders or who are sensitized should not use this product.

Acute - Causes burns to skin and eyes. Vapors are irritating and toxic in high concentrations.

Chronic - No known effects to health.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	No	No	No

Medical Conditions Generally Aggravated by Exposure

May aggravate pre-existing respiratory conditions.

Emergency and First Aid Procedures

SKIN - Remove clothing and flush skin with large amounts of water. If irritation occurs, consult a physician.

Wash clothing before re-use.

EYES - Flush with water, holding lids open, for 15 min. or longer. GET MEDICAL ATTENTION!!

INHALATION - Remove person to fresh air. Give oxygen if needed, get medical attention if symptoms persist.

INGESTION - If swallowed, do not induce vomiting. Give large quantity of milk, water, or milk of magnesia.

GET MEDICAL ATTENTION. Never give anything by mouth to an unconscious person.

SECTION VII - CONTROL MEASURES

Respiratory Protection (Specify Type)

Provide adequate exhaust ventilation; use a NIOSH approved respirator if PELs/TLVs are exceeded.

Ventilation	Local Exhaust	Use if needed	Special	None known
	Mechanical	Exhaust ventilation to keep below 5ppm PEL.		

Protective Gloves Vinyl or neoprene Eye Protection Face shield, chemical goggles.

Other Protective Clothing or Equipment

Outer protective gear including rubber apron, rubber boots, etc.

An eye wash station or plenty of clear water must be readily available at worksite.

Work/Hygienic Practices Avoid unnecessary exposure to chemicals.

SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled

Dilute with water and/or neutralize with alkaline materials such as soda ash, lime or ammonia and flush with water to sewer or retaining area if allowed by local regulations. Small amounts can be absorbed with absorbent materials.

Waste Disposal Method

This product is acidic and corrosive. Dilute with water and neutralize to 7pH before disposing into sewers or retaining area if permitted by local, state or federal regulations. Contact local E.P.A. office (Hazardous Waste Div.)

Precautions to be Taken in Handling and Storing Food products and food packaging materials must be removed or carefully protected before using this product. Fumes can corrode unprotected metal. When blending with water always pour ACID INTO WATER.

Other Precautions Keep from freezing. Do not transfer to up-marked containers.

Prepared by Samet Dy - Urethane Chemist

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