

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard (HCS), 29 CFR 1910, 1200. Standard must be consulted for specific requirements.

HMIS SYMBOL		HMIS		NFPA		NFPA RATING	
HEALTH	2	SEVERE	4	EXTREME	FIRE	0	
FLAMMABILITY	0	SERIOUS	3	HIGH	REACTIVITY	2	
REACTIVITY	2	MODERATE	2	MODERATE	TOXICITY	2	
		SLIGHT	1	SLIGHT	SPECIAL	b	
		MINIMAL	0	INSIGNIFICANT			

NE = Not Established; NA = Not Applicable

Evaluation for OSHA HCS Hazardous Non-Hazardous

I. GENERAL INFORMATION

Product Name 2X CONCRETE STAINS (Various Colors)	Emergency Telephone Number 1-800-535-5053
Chemical Family Mixture	Telephone Number for Information 770-479-1764
Manufacturer EZCHEM, Inc.	Date Prepared
141 RAILROAD St., SUITE 117 CANTON, GA 30114	Signature of Preparer Robert Levetan
	Date Last Revised 6-20-04

II. HAZARDOUS INGREDIENTS

Principal Hazardous Components	Threshold Limit Value (Units)
Hydrochloric acid (7647-01-1)	5 ppm (ceiling)
May contain one or more of the following metal ions: Cu ⁺² , Fe ⁺³ , Fe ⁺² , Cr ⁺³ , CrO ₄ ⁺²	NE
CAS # (7758-99-0), (7758-95-3), (7705-08-0), (10588-01-9), (10025-73-7)	

III. PHYSICAL DATA

Boiling Point (°F)	~100° C	Specific Gravity (H₂O=1)	1.12 – 1.30
Vapor Pressure (mm Hg)	NE	Percent Volatile By Volume	NA
Vapor Density (Air=1)	NE	Evaporation Rate (H₂O=1)	~1
Solubility in Water	Soluble	pH	1- 2

Appearance & Odor: Flowable liquids of various colors with mild acidic odor.

IV. FIRE & EXPLOSION HAZARD DATA

Flash Point (Test Method): None -- Nonflammable		
Flammable Limits:	LEL NA	UEL NA
Extinguishing Media: Same as for surrounding materials		
Special Fire Fighting Procedures: Wear NIOSN/MSHA approved self contained breathing apparatus if product is involved in a fire. Cool fire exposed containers with water spray.		
Unusual Fire & Explosion Hazards: Product exposed to high temperatures will evolve corrosive acid fumes.		

V. HEALTH HAZARD DATA

OSHA Permissible Exposure Limit NE		ACGIH Threshold Limit Value NE	
Carcinogen - NTP Program Chromates are listed as possible carcinogens		Carcinogen - IARC Program	
<p>Symptoms of Over Exposure: INHALATION: Coughing, sore throat, shortness of breath, irritation of mucous membrane. INGESTION: Sore throat, abdominal pain, burning. May cause kidney damage. EYES: Can cause severe irritation and damage. SKIN CONTACT: Irritation and possible burns. May cause allergic reactions in some people. Repeated exposure should be avoided.</p>			
<p>Medical Conditions Aggravated by Exposure: NE Primary Route(s) of Entry: Skin, inhalation. Emergency First Aid: INGESTION: Rinse mouth with water. Drink 1-2 glasses of water to dilute. Do not induce vomiting. Get Immediate Medical Help. Never give anything by mouth to an unconscious person. EYE CONTACT: Immediately flush with water and continue for 15 minutes, lifting both eyelids. Get Medical Help. SKIN CONTACT: Wash with soap and water. Rinse thoroughly. Remove and wash contaminated clothing before reuse. INHALATION: Remove to fresh air. If breathing difficulty occurs, administer oxygen. If difficulty continues, Get Medical Help.</p>			
VI. REACTIVITY DATA			
Stability <input type="checkbox"/> Unstable <input checked="" type="checkbox"/> Stable		Conditions to Avoid: Temperatures above 40° C (120° F)	
Incompatibility		Materials to Avoid: Alkaline products, bleach, Carbonates.	
Hazardous Polymerization <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Conditions to Avoid: NA	
Hazardous Decomposition Products: May generate acid fumes on exposure to heat.			
VII. ENVIRONMENTAL PROTECTION PROCEDURES			
Spill Response: Large quantities – Wear protective clothing and acid respirator during cleanup. Contain spill and reclaim as much as possible by mopping or collection on absorbent material. Collect and store in a sealable container. Sprinkle residue with soda ash or sodium bicarbonate to neutralize and flush neutral residue to drain.			
Waste Disposal Method: Seal container and dispose of at an approved waste disposal facility. Alternatively, neutralize reclaimed liquid to a pH of 7-9 using soda ash or sodium bicarbonate and release to drain as local regulations permit.			
VIII. SPECIAL PROTECTION INFORMATION			
Eye Protection: Goggles		Skin Protection: rubber or plastic glove	
Respiratory Protection (Specific Type): OSHA approved mask with acid cartridge if using in enclosed areas with poor ventilation.		Ventilation Recommended: <input checked="" type="checkbox"/> General Mechanical <input type="checkbox"/> Local Exhaust	
Other Protection: NA			
Hygienic Practices in Handling & Storage: Wash hands after using and before eating. Do not contaminate food or feed stuff.			
Precautions for Repair & Maintenance of Contaminated Equipment: NA			
Other Precautions: Read all label directions and precautions before using the product.			
IX TRANSPORT INFORMATION			
Identification Number		ORM-D (Based on inner package <4L)	
Proper shipping name		Hydrochloric acid solution	
Class/Division		8	
Packaging Group		III	