

Concrete Acid Stain
MATERIAL SAFETY DATA SHEET

STENCIL WORKS

Effective August 01, 2000

SECTION 1 - PRODUCT IDENTIFICATION

Common Name: Concrete Acid Stain
(As appears on label)
Chemical Family:
Manufacturer/Supplier: Texoma DCS
600 Paseo Mision St.
El Paso, TX 76255
1-866-524-3440

Hazard Rating	Scale
Toxicity	3
Flammability	0
Reactivity	0
	4 = Extreme
	3 = High
	2 = Moderate
	1 = Slight
	0 = Insignificant

Prepared by: Troy Harris, Technical Director

Emergency: Chemtrec 1-800-424-9300

SECTION 2 - HAZARDOUS INGREDIENTS

Color	Hazardous Component(s)	CAS No.	Percent by Weight	OSHA PEL	ACGIH TLV
All Colors	Hydrochloric Acid	7647-01-0	< 4%	7 mg/m ³	7 mg/m ³
Caramel	Ferrous Chloride	7758-94-3	Trace	1 mg/m ³	1 mg/m ³
Bronze Green	Cupric Chloride	7447-39-4	Minor	1 mg/m ³	1 mg/m ³
	Ferrous Chloride	7758-94-3	Minor	1 mg/m ³	1 mg/m ³
Ebony	Manganese Chloride	7773-01-5	Minor	5 mg/m ³	N.E.
	Sodium Dichromate	10588-01-9	Minor	.5 mg/m ³	.01 mg/m ³
Jade *	Cupric Chloride	7447-39-4	Minor	5 mg/m ³	N.E.
	Phosphoric Acid	7664-38-2	Trace	7 mg/m ³	7 mg/m ³
Mahogany Earth	Manganese Chloride	7773-01-5	Minor	5 mg/m ³	N.E.
	Ferrous Chloride	7758-94-3	Major	1 mg/m ³	1 mg/m ³
Medium Brown	Sodium Dichromate	10588-01-9	Minor	.5 mg/m ³	.01 mg/m ³
Turquoise *	Cupric Chloride	7447-39-4	Minor	1 mg/m ³	1 mg/m ³
	Phosphoric Acid	7664-38-2	Minor	1 mg/m ³	3 mg/m ³
Walnut *	Sodium Dichromate	10588-01-9	Minor	N/A	N/A
	Manganese Chloride	7773-01-5	Minor	5 mg/m ³	N.E.
	Ferrous Chloride	7758-94-3	Major	1 mg/m ³	1 mg/m ³
Weathered Sandstone	Ferrous Chloride	7758-94-3	Major	1 mg/m ³	1 mg/m ³
Weathered Terracotta	Ferric Chloride	7705-08-0	Major	N/A	N/A

* Does not contain Hydrochloric Acid

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A
Melting Point: N/A
Specific Gravity (Water = 1): 1.30+/- .03
Vapor Pressure (mm Hg): N/A
Vapor Density (Air = 1): N/A
Solubility in Water: N/A
Evaporation Rate: Slower than Butyl Acetate
(Butyl Acetate=1)
Appearance & Odor: Dark Liquid with sharp, pungent odor.
PH: 8.0 - 9.0

SECTION 4 - FIRE AND EXPLOSION DATA

Flash Point: Not Established
Flammable Limits: Lower Explosive Limit: N/A
Upper Explosive Limit: N/A
Special Fire Fighting Procedures: Wear self contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure mode and full body protective clothing when fighting fire.
Unusual Fire/Explosion Hazards: Releases Hydrogen Chloride gas when heated. Also reacts with most metals to release hydrogen gas which can form explosive mixtures with air.

SECTION 5 - REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Avoid contact with strong alkalis, alkali metals.
Incompatible with: N/A
Hazardous decomposition products: May evolve highly toxic chloride fumes.
Hazardous polymerization: Will not occur.

SECTION 6 - HEALTH HAZARD DATA

Carcinogenicity: NO
IARC: NO
OSHA Regulated?: NO
Threshold Limit Value (TLV): 5 ppm
Effects of overexposure:
Ingestion: Can cause severe tissue destruction. Kidney failure may follow and result in death.
Inhalation: TLV and OSHA guide is 5ppm Ceiling for Hydrogen Chloride; Severely irritating.
Skin Absorption: Massive overexposure could lead to kidney failure and death.
Eye Contact: Rapidly causes severe burns, possible with permanent impairment of vision. Burning sensation

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Emergency and First Aid Procedures

Eyes: Flush thoroughly with running water for at least 30 minutes. Skin burn likely. An immediate, continuous, and thorough wash in flowing water for 30 minutes. Remove clothing immediately. Destroy contaminated shoes.

Inhalation: Move victim to fresh air if effects occur. Call physician and/or transport to medical facility.

Ingestion: Corrosive. Do NOT induce vomiting. Give large amounts of water or milk if available and immediately transport to a medical facility.

NOTE TO PHYSICIAN: Massive overexposure to solutions of this product could lead to kidney failure and death.

SECTION 7 - SPILL OR LEAK PROCEDURES

If material spills or leaks: Shovel or soak up spilled material into a plastic container and reuse or remove to approved chemical waste disposal area. Flush area with water, directing runoff to appropriate treatment or disposal container. Never flush to sewer. Major spills should be reported according to regulations.

Waste Disposal: Dispose of in accordance with local, state and federal regulations

SECTION 8 - SAFE HANDLING AND STORAGE INFORMATION

Respiratory Protection: NIOSH/MSHA approved respirator whenever exposure to vapor/mist is likely to occur, unless level is below applicable limits. For emergencies a self-contained breathing apparatus or full face respirator is recommended

Ventilation: Ventilation must be sufficient to control vapors. Breathing of vapors must be avoided. This material should be confined as far as possible within sealed or covered equipment in which case normal ventilation should be adequate. Special (local) ventilation will be needed in areas where vapors are expected to be vented.

Protective Equipment: Impervious gloves, neoprene or rubber; safety glasses with splash guards or side shields, chemical goggles or face shields.

Other Equipment and Practices: Clean, body covering clothing. Further safety equipment (apron, footwear, etc.) should be used as necessary to prevent contact with material.

Special Precautions

Prevent all skin and eye contact. Avoid breathing vapors. Re-seal partially used containers. Ensure all containers are properly labeled to prevent accidental ingestion. Wash with soap and water before eating, drinking, smoking, or using toilet facilities. Observe conditions of good industrial hygiene and safe working practices. Remove and thoroughly launder contaminated clothing before reuse. Discard contaminated shoes. Store under cool, dry conditions and away from open flames and high temperatures.

SECTION 9 - SHIPPING INFORMATION

DOT Shipping Name:	Hydrochloric Acid Solution
DOT Hazard Class:	8 - Corrosive
DOT Reportable Quantity:	N/A

USER'S RESPONSIBILITY & DISCLAIMER OF LIABILITY: A bulletin such as this cannot be expected to cover all possible situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where precautions - in addition to those described herein are required. Although the information contained herein is based on data considered to be accurate, all materials present unknown health hazards, and should be used with caution and by properly trained personnel. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Any health hazard and safety information should be passed onto your customers or employees, as the case may be. Final suitability of the chemical for each circumstance is the sole responsibility of the end user. No representation or warranties either expressed or implied, of merchantability, fitness for a particular purpose, or any other nature are made hereunder with respect to the information contained herein, or the chemical to which the information refers. It is the sole responsibility of the end user to comply with all applicable federal, state, and local laws and regulations. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed.