

CHEMTONE MASONRY STAIN

COLOR ETCHING SOLUTION

MATERIAL SAFETY DATA SHEET

MATCRETE INC.

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Read this MSDS before use or disposal of this product. Pass along the information to employees and any persons who could be exposed to the product to be sure that they are aware of the information before use or other exposure. This MSDS has been prepared according to the OSHA Hazard Communication Standard (29 CFR 1915, 1916, 1917). This MSDS information is based on sources believed to be reliable. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse beyond our control, MATCRETE makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Also, additional information may be necessary or helpful for specific conditions and circumstances of use. It is the user's responsibility to determine the suitability of this product and to evaluate risks prior to use, and then to exercise appropriate precautions for protection of employees and others.

SECTION I. PRODUCT IDENTIFICATION

PRODUCT NAME: CHEMTONE MASONRY STAIN
MATCRETE MSDS #: CS
CHEMICAL FAMILY: INORGANIC SALT SOLUTION
CHEMICAL NAME: MIXTURE

GENERAL ASSISTANCE: MATCRETE INC. (800)777-7063
EMERGENCY ASSISTANCE: CHEMTREC (DOMESTIC) (800)424-9300
EMERGENCY ASSISTANCE: CHEMTREC (INTERNATIONAL) (703)527-3887

SECTION II. HAZARDOUS INGREDIENTS

COMPOSITION	WEIGHT	OSHA TWA	ACGIH TLV	CAS NUMBER
Ferrous Sulfate	0% to 40 %	5 mg/m3(ceiling)	5 mg/m3(ceiling)	7782-63-0
Sodium Dichromate	0% to 40 %	0.1 mg /m3(ceiling)	.05 mg /m3(ceiling)	10558-01-9
Manganese Chloride	0% to 40 %	5 mg/m3(ceiling)	5 mg/m3(ceiling)	7773-01-5
Cupric Chloride	0% to 40 %	5 mg/m3(ceiling)	5 mg/m3(ceiling)	7447-39-4
Cupric Sulfate	0% to 40 %	5 mg/m3(ceiling)	5 mg/m3(ceiling)	7758-98-7
Iron Sulfate	0% to 40 %	5 mg/m3(ceiling)	5 mg/m3(ceiling)	7782-63-0

Components listed with a lower limit of 0% may or may not be present in the final formulation.

SECTION III. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 100C/212F

Vapor Pressure (mm Hg.): Not Determined

Vapor Density (Air=1): Not Determined

Solubility in Water: Soluble pH<3.0

Specific Gravity (H₂O)=1): 1.0 - 1.5

Melting Point: Not Determined

Evaporation Rate (Butyl Acetate=1): Approximately Equal to Water

Appearance and Odor: Cloudy liquid. Slight odor

SECTION IV. FIRE AND EXPLOSION HAZARD

Flash Point (Method Used): Non

Flammable Limits: Not Applicable

Extinguishing Media: Water, Fog, Dry Chemical and CO₂

Unusual Fire and Explosive Hazard: Non Known

Special Firefighting Procedures: NIOSH/MSHA pressure demand, self-contained breathing apparatus should be given to firefighters in building or confines spaces where this product is stored.

SECTION V. REACTIVITY

Stability: Stable

Conditions to Avoid: Non-Known

Hazardous Decomposition of Byproducts: May emit oxides of carbon, nitrogen, and chlorine. Hydrogen gas may be liberated with certain metals.

Hazardous Polymerization: Will not occur.

Incompatibility (*Materials to Avoid): Avoid Oxidizers. May emit toxic gases if contact with Hypochlorites occurs. Will emit toxic gases in contact with chlorides or nitrates. Avoid metals, especially alkali or alkaline earth metals, reducing agents, organic and oxidizable materials.

SECTION VI. HEALTH HAZRD DATA

EFFECTS OF ACUTE EXPOSURE

Inhalation: Not a likely route of exposure due to physical properties (low vapor pressure at room temperature). Product can be irritating to respiratory tract if inhaled as a mist.

Skin: Acute exposure is irritating

Non Corrosive to Skin: (as defined and tested in accordance with the U.S. OSHA's Hazard Communication Standard, DOT Hazardous Materials Regulations, Canada's HHMIS regulations and TDG Regulations. Classified as a mild skin irritant as per the 1992 OECD Guidelines for testing of Chemicals, Number 404 "Acute Dermal Irritation/Corrosion").

Eye: Contact may be painful and irritating.

Ingestion: This product may be harmful or fatal if ingested.

Carcinogenicity: Not Listed on NTP, IARC, and ACCIH.

SECTION VII. PRECAUTIONS OF SAFE HANDLING AND USE

PRECAUTIONS TO BE TAKEN DURING APPLICATION AND CLEAN UP PROCESS:

Do not permit runoff during application, rinsing and cleanup. Collect with wet vacuum or absorb with inert material. Dispose of all stain residues, runoff liquid, used absorbent materials, and discarded equipment in accordance with **all federal, state and local regulations**. Precautions to be taken if material is spilled: Follow procedures outlined in section VIII- Control Measures when cleaning up spills. Liquid materials may be slippery. Cordon off area. Spilled materials may stain the floor. Absorb with inert material or clean up with wet/dry vacuum and place in labeled container for neutralization and disposal together with any materials contaminated during cleanup. Waste Disposal Method: This product is not listed as a hazardous waste on Federal Regulations, *Resources Conservation and Recovery Act (RCRA) 40 CFR 261*. Neutralize the material by adding baking soda to the ChemTone Masonry Stain to be disposed of. The acid stain is neutralized when no fizzing occurs when adding baking soda. Dispose of in compliance with local and state regulations.

HANDLING AND STORING PRECAUTIONS:

Avoid contact with skin, eyes and clothing. Store upright in a cool, dry, well-ventilated area in tightly closed containers away from combustible materials and sources of heat. Isolate from incompatible materials. Protect from physical damage. Do not reuse empty containers.

SECTION VIII. CONTROL MEASURES

Respiratory Protection: Avoid breathing vapors and or mist. Wear acid vapor respirator NIOSH/MSHAA TC 23C approved. For respiratory protection guidelines refer to OSHA 29 CFR 1910.134.

Ventilation: Adequate ventilation and sufficient local exhaust as needed.

Protective Gloves: Wear chemical resistant gloves

Other Protective Clothing or Equipment: Wear suitable protective clothing, chemical resistant apron and boots to avoid skin contact. Emergency eyewash and washing facilities should be available nearby.

Work/handling Practices: Minimize exposure by wearing protective clothing. Wash with soap and water immediately after handling.

Prolonged or repeated inhalation of mist may cause ulceration and perforation of the nasal septum. Epidemiological studies indicate that long term exposure to high levels of mist in the Chromate producing industry is associated with increase in respiratory tract cancer in man, the causative agent is not known. Thus far, epidemiological studies have not demonstrated any increased risk of lung cancer at levels below TLV.

Carcinogenicity	NTP	IAARC Monographs	OSHA Regulated
	NO	NO	NO

Signs and Symptoms of Exposure

Inhalation: Irritation of the upper respiratory tract, coughing, sore throat, and shortness of breath.

Eyes: Stinging and burning.

Skin: Irritating, redness and burning.

Ingestion: Burning of mouth and throat, nausea, vomiting, diarrhea or dizziness.

Medical Conditions Generally Aggravated by Exposure: Dermatitis and breathing disorders.

EMERGENCY AND FIRST AID PROCEDURES:

Inhalation: Move to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. If symptoms persist or develop, get medical attention.

Skin: Immediately wash exposed area thoroughly. Remove soiled clothing and footwear and wash before reuse. If symptoms persist or develop, get medical attention.

Ingestion: DO NOT induce vomiting. Vomiting will cause further damage to the esophagus. Give several glasses of milk or water. Keep warm and quiet. GET MEDICAL ATTENTION IMMEDIATELY.

Eyes: OBJECT IS TO FLUSH EYES IMMEDIATELY, THEN GET MEDICAL ATTENTION. Flush eyes immediately with large amounts of water while holding eyelids apart, Flushing within one minute is essential to achieve maximum effectiveness. GET MEDICAL ATTENCION IMMEDIATELY AFTER FLUSHING. If physician is not immediately available, continue flushing with water.

SECTION IX. TRANSPORT AND REGULATORY INFORMATION

Special Shipping Information: Non Regulated under DOT or TDG.

WHMIS Classification: D2B