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Material Safety Data Sheet A-8000

IDENTIFICATION:

Product Name: Reactive Stain
Chemical Name and/or Family: Inorganic Salt Solution
C.A.S. Number: Blend
Formula: Proprietary
M.S.D.S. Effective Date: October 17, 2001

COMPOSITION and INFORMATION on INGREDIENTS:

<u>Component</u>	<u>C.A.S. #</u>	<u>%</u>	<u>Exposure Limits</u>
HYDROCHLORIC ACID	7647-01-0	<1	OSHA, TWA 5 ppm ACGIH, TWA 5 ppm
FERRIC CHLORIDE	7705-08-0	<15	No Data Available
FERROUS CHLORIDE	7758-94-3	<10	PEL 1 mg/m ³ TLV 1 mg/m ³

HAZARD IDENTIFICATION:

Health Hazard: Acute, Corrosive to skin, eyes, and mucous membranes.
Chronic, Kidney and liver damage possible.
Acute, Ingestion of liquid is corrosive to mouth, throat, stomach, esophagus, and decomposes releasing carbon dioxide upon contact with stomach acid. Swallowing the liquid burns the tissues, causing abdominal pain, nausea, vomiting, diarrhea and collapse. Swallowing large quantities can cause death.
Eye contact causes painful stinging or burning of eyes and lids, watering of eyes, conjunctivitis, opaqueness of cornea, possibly leading to loss of sight.

Primary Routes of Entry:

Inhalation Corrosive
Skin Corrosive
Ingestion Corrosive

Over Exposure Effects:

Inhalation: Exposure to vapor, mist or liquid can produce severe irritation or burns of the respiratory tract. Severe exposures could result in chemical pneumonia.
Eyes: Contact with eyes can cause severe damage, including burns and blindness. The severity of the effects depends on the concentration and how soon after exposure the eyes are washed.
Skin: Corrosive. Prolonged or repeated contact, even to dilute concentrations, can cause

a high degree of tissue damage. Irritation or burns of the skin may be delayed from initial contact. The severity of the tissue damage, depend on the exposure time.
Ingestion: Corrosive. Causes severe burns and complete tissue perforation of mucous membranes of the mouth, throat, and stomach.

Carcinogenicity:

NTP.....Yes
IARCYes
OSHANo

Hazardous Materials Identification System Rating:

Health.....3
Flammability0
Reactivity1
Personal Protection..H

FIRST AID MEASURES:

First Aid Procedures:

EYE CONTACT: Flush immediately with plenty of water for at least 15 minutes and get medical attention.
SKIN CONTACT: Wash thoroughly with large amounts of soap and water.
INHALATION: Remove victim to fresh air and, if needed, immediately begin artificial respiration. Give Oxygen if breathing is labored. Get emergency medical help. Contact physician immediately.
INGESTION: Seek emergency medical instructions before inducing vomiting.

FIRE FIGHTING MEASURES:

Flash Point: Water solution, will not burn

Flammable Limits:

Lower.....ND
Upper.....ND

Extinguishing Media: This material, in its original form, is not a fire hazard. Use media appropriate to extinguish surrounding fire.

Unusual Fire Hazard:

Contact with metals produces hydrogen gas Flammable and potentially explosive hydrogen gas can be generated inside metal drums or storage tanks.

ACCIDENTAL RELEASE MEASURES:

Spill or Leak:

In case of spillage, absorb with inert material and dispose of in accordance with applicable federal, state, and local regulations.

HANDLING and STORAGE PROCEDURES:

Precautionary Handling: Use with adequate ventilation.
Avoid breathing vapors.
Avoid contact with skin, eyes, and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take emergency first aid action shown in this Material Safety Data Sheet.
Launder contaminated clothing before reuse.
Liquid penetrates leather shoes causing delayed burns.

Storage: Store away from oxidizers or materials bearing a yellow "DOT" label.
Store away from caustic or alkaline materials.

EXPOSURE CONTROLS and PERSONAL PROTECTION:

Ventilation:
Mechanical Desired in closed places
Local Recommended

Respiratory Protection: NIOSH approved organic vapor mask
Eye Protection: Use goggles and/or face shield if splashing is likely
Protective Gloves: Wear impervious gloves
HMIS Personal Protective Code: H: Splash Goggles, Gloves, Apron, Vapor Respirator
Threshold Limit Value: 1 mg/m³ ppm based on Ferrous Chloride in blend

PHYSICAL and CHEMICAL PROPERTIES:

Appearance and Odor: Brown Liquid, Pungent Odor
Boiling Point: ND
Freezing Point: ND
Vapor Pressure (mmHg): ND
Vapor Density (Air = 1): ND
pH Value: < 2
Solubility in Water: Soluble
Specific Gravity (Water = 1): 1.2 – 1.4

STABILITY and REACTIVITY:

Chemical Stability: Stable
Conditions to Avoid: Avoid contact with Oxidizers or Oxidizing Materials.
Incompatible Materials: Oxidizers or Oxidizing Materials.
Alkaline Materials.
Decomposition Products: Toxic and Irritating Gases, Hydrogen Gas, Chlorine Gas
Hazardous Polymerization: Will Not Occur
Polymerization Avoid: None

DISPOSAL CONSIDERATIONS:

Waste Disposal Method: Hazardous Waste. Follow Federal and State and Local Regulations for Hazardous Waste Disposal.
EPA Hazard Waste Codes: D002 - Characteristic of Corrosivity

TRANSPORTATION INFORMATION:

Hazard Class: 8
DOT Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (Contains Ferric Chloride and Ferrous Chloride), 8, UN 3264, PG II
Reportable Quantity: >1,080 lbs. based on Ferrous Chloride content in blend

REGULATORY INFORMATION:

Notice The following information is presented in good faith and is believed to be accurate, as of the revised date shown above. No warranty is therefore, expressed or implied. Regulatory information requirements are subject to change as governmental regulations change.

TSCA: Toxic Substances Control Act: All chemical substances contained in this product are listed in the TSCA Inventory List. (This, however, does not imply that all products are "toxic".)

EPA: Environmental Protection Agency:

SARA: Superfund Amendments and Reauthorization Act

Title III, Section 313 (Toxic Chemicals): None
Reportable Quantity (RQ): >1,080 lbs. based on Ferrous Chloride content in blend
Threshold Planning Quantity (TPQ): None
Title III, Section 311 (Hazard Categories):
Acute.....Yes
Chronic.....Yes
Ignitable.....No
Reactive.....Yes
Sudden Release of PressureNo

CERCLA: The Comprehensive Environmental Response, Compensation, and Liability Act of 1980:

Reportable Quantity (RQ):>1,080 lbs. based on Ferrous Chloride content in blend

Clean Air Act:

Sections:.....NA

Clean Water Act:

Sections:.....Section 311

MISCELLANEOUS OTHER INFORMATION:

Product Packaging: Various

Footnotes: ND - No Data Available
NA - Not Applicable
< = Less Than
> = Greater Than

This product's safety information is provided to assist our customers in assessing compliance with health, safety and environmental regulations. The information contained herein, is based on data available to us and is believed to be accurate, although no guarantee or warranty is provided by this company in this respect. Since the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions of safe use of this product. Such conditions should comply with all Federal regulations concerning the product. *All materials in this product are produced in compliance with Public Law 94-469 (also known as the "Toxic Substances Control Act" of 1976).*

Prepared By: Americrete, Inc.

Date Revised:.....October 17, 2001