MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 49 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION

NFPA Rating: Health-3; Flammability-0; Reactivity-0; Special- -	**HMIS Rating:** Health-3; Flammability-0; Reactivity-1; Personal Protection-E
Manufacturer's Name: **RITE-KEM, INC.** Address: 703 Westmoreland Drive Tupelo, MS 38801	**DOT Hazard Classification:** Corrosive Material 8 **Identity** (trade name as used on label)**:** **HURRICANE**
Date Prepared: 05/21/2004 Prepared By: ml	Revision - 3
Information Calls: (662)840-6060 **EMERGENCY RESPONSE NUMBER: 1(800)424-9300 CHEMTREC**	NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
HYDROGEN CHLORIDE	7647-01-0	Yes	5	5	d

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 212ºF	**Specific Gravity** (H2O=1): 1.05
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A	**Vapor Pressure** (Non-Aerosols)(mm Hg and Temperature): N/A
Vapor Density (Air = 1): N/A	**Evaporation Rate** (water= 1): 1
Solubility in Water: Total	**Water Reactive:** None

Appearance and Odor: Brown liquid with slight pungent odor.

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) N/A	Auto Ignition Temperature N/A	Flammability Limits in Air by % in Volume: % LEL: N/A % UEL: N/A

FLASH POINT AND METHOD USED (non-aerosols): None **SPECIAL FIRE FIGHTING PROCEDURES:** None	**EXTINGUISHER MEDIA:** Non-combustible.

Unusual Fire & Explosion Hazards: Avoid exposure to metals, oxidants which might produce flammable hydrogen gas.

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY [X] STABLE [ ] UNSTABLE	**HAZARDOUS POLYMERIZATION** [ ] WILL [X] WILL NOT OCCUR
Incompatibility (Mat. to avoid): Bases, metals, mercuric sulfate, carbides of calcium, cesiam, rubidium.	**Conditions to Avoid:** Contact with strong bases can cause violent reaction generating large amounts of heat.

Hazardous Decomposition Products: Hydrogen gas.

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: [X] INHALATION [ ] INGESTION [X] SKIN ABSORPTION [X] EYE [ ] NOT HAZARDOUS

ACUTE EFFECTS

Inhalation: Irritant causing burning, choking, coughing, headache.

Eye Contact: Irritation, severe burns & permanent damage including blindness.	**Skin Contact:** Burning, irritation, dermatitis.

Ingestion: Unlikely route-causes severe burns to internal organs.

CHRONIC EFFECTS: Skin, eye, mucous membrane irritation.

Medical Conditions Generally Aggravated by Exposure: None.

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Wash eyes for 15 minutes. Get medical attention.

Skin Contact: Remove contaminated clothing, wash skin with water for 15 minutes.

Inhalation: Move to fresh air. Get medical attention.

Ingestion: DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water. Get immediate medical attention.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): Approved self-contained breathing apparatus when use concentrations exceed 100 ppm HCl vapors.

Protective Gloves: Neoprene.	**Eye Protection:** Chemical goggles or face shield.

Ventilation Requirements: As necessary to maintain air concentration below 5 ppm at all times.

Other Protective Clothing & Equipment: Neoprene or PVC rain suit & boots in case of fire. Safety showers & eyewash stations should be available.

Hygienic Work Practices: Wash hands after use. Do not eat, drink or smoke in immediate area.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken If Material Is Spilled Or Released: Contain fluid by diking. Neutralize with soda ash or baking soda.

Waste Disposal Methods: Neutralize material may be washed down the sewer. Absorbed material to be boxed and disposed of in compliance with local, state and federal regulations.

Precautions To Be Taken In Handling & Storage: Store in closed labeled containers. Keep in cool, metal free area for not more than one year.

Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Do not store near strong alkalies or other reactive materials.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only