

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- - Manufacturer's Name: RITE-KEM, INC. Address: 703 Westmoreland Drive Tupelo, MS 38803			HMIS Rating: Health-3; Flammability-0; Reactivity-0; Personal Protection-B DOT Hazard Classification: Corrosive liquid, n.o.s., 8, UN1760, PGIII Identity (trade name as used on label): LIME-AWAY			
Date Prepared: 10/03/2003 Prepared By: ML Information Calls: (662)840-6060 / (800)841-5351 EMERGENCY RESPONSE NUMBER: 1(800)424-9300			NSN 6850-01-359-9214 Revision -2 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 **
PHOSPHORIC ACID		7664-38-2	YES	1mg/m3	1mg/m3	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: 100°C			Specific Gravity (H2O=1): 1.26			
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): 1.0			
Solubility in Water: Miscible			Water Reactive: None			
Appearance and Odor: Clear non-viscous fluid with clean 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): Non-combustible EXTINGUISHER MEDIA: Non-combustible, use media applicable to surrounding fire		SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH approved breathing apparatus & full protective gear when fighting fires. Spray containers with water to keep cool & prevent ruptures.				
Unusual Fire & Explosion Hazards: Avoid exposure to metals, oxidants which might product flammable hydrogen gas.						
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY [X] STABLE [] UNSTABLE Incompatibility (Mat. to avoid): Bases, alkalis, metals, mercuric sulfate, carbides of calcium, cesiam, rubidium, acetylides, phosphides, silicides.		HAZARDOUS POLYMERIZATION [] WILL [X] WILL NOT OCCUR Conditions to Avoid: Contact with strong bases can cause violent reaction generating large amounts of heat. High temperatures.				
Hazardous Decomposition Products: Hydrogen fluoride gas, oxides of phosphorus, nitrogen and carbon, unidentified organics.						
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: None known.						
Medical Conditions Generally Aggravated by Exposure: Skin, eye, mucous membrane irritation.						
EMERGENCY FIRST AID PROCEDURES						
Eye Contact: Wash eyes for 15 minutes. Get immediate 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 alkalis 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