

**MATERIAL SAFETY DATA SHEET**

N/A = Not Applicable

(Prepared According to 29 CFR 1910.1200)

Prepared by: DA  
Date Prepared 2-06-07

**SECTION 1 - PRODUCT IDENTIFICATION**

**Product Name:** LIME-B-GONE  
**Generic Name:** Acid Cleaner/ Descaler  
**Suppliers Name:** Chemical Universe, Inc.  
**Suppliers Address:** 1133 Saline St  
 N. Kansas City, MO 64116  
**Proper Shipping Name:** Corrosive Liquids, N.O.S., 8,  
 UN1760, PG III  
 (Contains: Phosphoric Acid,  
 Hydrochloric Acid)

**Chemical Family:** Acid  
**Formula:** 5010  
**Information Phone Number:** 816-471-3602  
**Emergency Phone Number:** 800-424-9300

HMIS Hazardous Materials Identification System	
Health	2
Flammability	0
Reactivity	1
Maximum Personal Protection	X

**SECTION 2 - HAZARDOUS INGREDIENTS**

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV	CARCINOGEN
Hydrogen Chloride	7647-01-0	< 5.0	No Info	2 mg/m3	No Info	No
Phosphoric Acid	7664-38-2	< 40.0	No Info	.25 ppm	.75 ppm	No

This product contains the following toxic chemicals subject to the reporting requirements of section

13 of the Emergency Planning and Community Right-To-Know Act of 1986 and of CFR 372:

CAS#                      Chemical Name                      Percent by Weight

**SECTION 3 - PHYSICAL DATA**

**Boiling Range (°F):** 212 -432  
**Vapor Pressure:** 20 mm Hg @ 70 F  
**Volatile:** 20 +  
**Solubility in Water:** Complete  
**Physical Description:** Red Liquid, Characteristic Odor.

**Specific Gravity:** 1.15 to 1.30  
**Vapor Density:** Heavier Than Air  
**pH:** 0 -1.0  
**Evaporation Rate:** Slower Than Ether

**SECTION 4 - FIRE AND EXPLOSION HAZARD DATA**

**Flash Point (Method Used)** > 200  
**Upper Explosive Limit:** NA                      **Lower Explosive Limit:** NA  
**Extinguishing Media:** Water Fog, Dry Chemical, CO2  
**Special Fire Fighting Procedures:** Wear Self -Contained Breathing Apparatus and Full Bunker Gear.  
**Unusual Fire and Explosion Hazards:** Extinguish All Nearby Sources Of Ignition.

**SECTION 5- REACTIVITY DATA**

**Stability:** Stable                      **Hazardous Polymerization:** Will Not Occur  
**Incompatibility (Materials to Avoid):** Strong Bases, Oxidizers and Reactive Materials  
**Hazardous Decomposition Products:** None Known

**SECTION 6- STORAGE AND HANDLING INFORMATION**

Keep Away From Children. Store In A Cool, Dry Well Ventilated Area. Keep Away From Incompatible Materials.

**SECTION 7 - HEALTH HAZARDS AND FIRST AID**

**Effects of Overexposure:**  
**Primary Route of Entry:**  
**Skin:** Prolonged or Repeated Contact May Cause Severe Burns. Prolonged contact destroys Tissue. Can Cause Irritant Dermatitis.  
**Eyes:** Can Cause Severe Damage and Even Blindness Very Rapidly. Small Quantities Can Result in Permanent Damage and/or Loss of Vision.  
**Inhalation:** Irritating to Mucous Membranes.  
**Ingestion:** Results In Severe Damage to Mucous Membranes and Deep Tissues; Can Result in Death on Penetration to Vital Areas.

**First Aid Procedures:**  
**Skin:** Immediately Flush Exposed Area With Water For At Least 15 Minutes. Get Medical Attention. Launder Contaminated Clothing Before Reuse.  
**Eyes:** Immediately Flush Eyes With Water for at Least 30 Minutes While Holding Eyelids Apart to Ensure Flushing of the entire eye surface. Get Medical Attention Immediately. If Physician Not Immediately Available Continue Flushing With Water.  
**Inhalation:** Remove to Fresh Air. If Not Breathing Give Artificial Respiration. If Breathing is Difficult, Give Oxygen. Get Medical Attention.  
**Ingestion:** DO NOT INDUCE VOMITING! Dilute By Giving Large Amounts Of Water or Milk if Immediately Available. If Person is Unconscious, Do Not Give Anything By Mouth. Get Medical Attention Immediately.

**SECTION 8 - SPECIAL PROTECTION INFORMATION**

**Respiratory Protection:** NIOSH/MSHA Approved Respiratory Protection Required In The Absence of Proper Environmental Control. Respirator Protection Program Must be in Accordance With 29CFR1910.134  
**Protective Gloves:** Alkali Resistant Such as Nitrile, Neoprene or PVC.  
**Other Protective Equipment:** Wear Protective Clothing Such as Rubber Boots, PVC Clothing and Plastic Headgear to Prevent Skin Contact.

**Ventilation:** Sufficient to Maintain Airborne Concentrations Below the Threshold Limit Values TLV(s).  
**Eye Protection:** Close Fitting Chemical Safety Goggles and Full Face Shield. Do Not Wear Contact Lenses Because They May Contribute to the Severity of an Eye Injury.

**SECTION 9 - SPILL OR LEAK PROCEDURES**

**Steps to be Taken in Case Material is Released or Spilled:** Wear Appropriate Protective Equipment. Dike Area to Contain the Spill. Remove as Much of the Spill as Possible. Dilute The Remainder With Large Amounts of Water, Then Neutralize With Dilute Acid. Use Vacuum Truck to Pick-up Neutralized Residual Material For Disposal.

**Water Disposal Method:** Dispose in Accordance With Appropriate Federal, State and Local Regulations.