Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements

U.S. Department of Labor

Occupation Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY

LIME GONE RED (240025)

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name Beaver Research Company	Emergency Telephone Number 1-800-255-3924 (Chem-Tel)
Address (Number, Street, City, State, and ZIP Code) 3700 E. Kilgore Road, Portage, MI 49002	Telephone Number For Information 269-382-0133
HMISRatings: Health: 3 (Serious) Flammability: 0 (Insignificant) Reactivity: 0 (Minimal) Protection: C (Safety glasses, gloves, synthetic apron)	Date Prepared 03/28/02 Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS No.	STEL	TLV	Carcinogen	% (optional)
Hydrochloric Acid	7647-01-0		5ppm	none	>9%

Section III - Physical/Chemical Characteristics

Boiling Point	210°F	Specific Gravity (H2O = 1)	1.05
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Viscosity, Cp @ 25°C	A-5 (Gardner)	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water	pH	Total VOC: None
Complete	<1	

Appearance and Odor

Pink liquid, lite acid odor.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
None		N/A	N/A

Extinguishing Media

N/A (product is non-flammable)

Special Fire Fighting Procedures

Avoid skin and eye contact, and breathing of acid vapors. Wear head and body protection and HCl respirator if exposure to liquid is likely.

Unusual Fire and Explosion Hazards

N/A

Section V - Reactivity Data

Stability			Conditions to Avoid
	Unstable		None.
	Stable	X	

Incompatibility (Materials to Avoid)

Strong alkalies, materials not resistant to strong acids, active metals (zinc, aluminum, magnesium, etc.)

Hazardous Decomposition or Byproducts

Hydrogen chloride vapors. Contact with active metals can release flammable hydrogen gas.

Hazardous Polymerization			Conditions to Avoid
	May Occur		None.
	Will Not Occur	X	

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes

Health Hazards (Acute and Chronic)

Inhalation: Breathing of vapor can cause respiratory irritation and inflammation. Breathing of mist or liquid can cause burns. **Skin**: Corrosive. Causes irritation and burns. **Eyes**: Corrosive. Causes eye damage.
Ingestion: Corrosive. Causes irritation and burning in mouth and throat.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	No	No	No

Signs and Symptoms of Exposure

See above “Health Hazards”.

Medical Conditions Generally Aggravated by Exposure

None.

Emergency and First Aid Procedure

Inhalation: Remove to fresh air. Give artificial respiration or oxygen if needed. Get prompt medical attention.
Skin: Remove contaminated clothing. Flush skin thoroughly with water for 15 minutes. Get medical attention if burns persist. **Eyes**: Flush immediately with water for 15 minutes. Get prompt medical attention.
Ingestion: Drink lots of water or, preferably, milk. Get medical attention if effects persist. Do not induce vomiting.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Small spills can be flushed into normal drainage or into ground with copious amounts of water, or taken up with absorbent material. Larger spills should be contained by diking or other methods and held for collection and/or reuse, or for neutralization with alkali before collection and disposal. Personnel should use eye and skin protection.

Waste Disposal Method

If neutralized, may be disposable in sewers if local regulations permit. Otherwise, send to licensed treatment and disposal facility. As supplied, this product is a RCRA hazardous waste.

Precautions to be Taken in Handling and Storage

Check daily for any leaks from containers, vessels, pumps, and piping. Have water hoses and alkali (caustic soda, lime, etc.) convenient. Only use containers and equipment designed for acid service.

Other Precautions

Areas of use and storage should be ventilated adequately to reduce vapors below odor level.
Empty containers: Rinse well before handling and disposal.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

Wear approved HCl vapor/mist respirator if exposure is likely.

Ventilation	Local Exhaust	N/A	Special	N/A
	Mechanical(General)	Sufficient	Other	N/A

Protective Gloves	Eye Protection
Wear acid-resistant protective gloves.	Splash proof goggles.

Other Protective Clothing or Equipment

Acid-resistant protective boots and clothing. Wear face shield (or respirator).

Work/Hygienic Practices

Provide convenient safety showers and eyewash stations.

The information herein has been compiled from sources believed to be reliable and is accurate to the best of our knowledge. However, Beaver Research Co. cannot give any guarantees regarding information from other sources, and expressly does not make any warranties, nor assumes any liability, for its use.