

# 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 GO GREEN (240020)**

*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

Manufactured For:

Beaver Research Company

Address (Number, Street, City, State, and ZIP Code)

3700 E. Kilgore Road, Portage, MI 49002

HMIS RATINGS:

Health: 3 (Serious)  
Flammability: 0 (Insignificant)  
Reactivity: 0 (Minimal)  
Special Protection: C

Emergency Telephone Number

1-800-255-3924 (Chem-Tel)

Telephone Number For Information

269-382-0133

Date Prepared

07/07/03

Signature of Preparer (optional)

## Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))

Phosphoric Acid

CAS No.  
7664-38-02

TLV  
1mg/m<sup>3</sup>

STEL  
3mg/m<sup>3</sup>

CARCINOGEN  
(OSHA,TP,IARC)

none

%  
(optional)

<35%

Nonoxynol 9

9045-18-2

none

0-3%

## Section III - Physical/Chemical Characteristics

Boiling Point

210°F

Specific Gravity (H<sub>2</sub>O = 1)

1.20

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

Complete

pH

<1

Total VOC: None

Appearance and Odor

Green liquid, pleasant odor.

## Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)

none

Flammable Limits

LEL

N/A

UEL

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 acid respirator if exposure to liquid is likely.

Unusual Fire and Explosion Hazards

N/A

## Section V - Reactivity Data

Stability

Unstable

Stable

X

Conditions to Avoid

N/A

Incompatibility (Materials to Avoid)

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

Hazardous Decomposition or Byproducts

Possible phosphorus oxide fumes at fire temperatures. Contact with active metals can release flammable gas.

Hazardous

May Occur

Polymerization

Will Not Occur

X

Conditions to Avoid

N/A

**Section VI - Health Hazard Data**

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	Yes	No

Health Hazards (Acute and Chronic)

**Inhalation:** Breathing of vapor can cause respiratory irritation and inflammation. **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

**Skin:** Flush skin with water for 15 minutes. Get medical attention if irritation persists. Remove contaminated clothing and launder before re-use. Discard contaminated shoes. **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. Empty Containers: Rinse well before handling and disposal.

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. Use a respirator if area is poorly ventilated.

Other Precautions

Areas of use and storage should be ventilated adequately to reduce vapors below odor level.

**Section VIII - Control Measures**

Respiratory Protection (Specify Type)

If working in a confined area it is suggested that an acid/vapor mist respirator be worn particularly while spraying the product.

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

Protective Gloves

Acid resistant protective gloves.

Eye Protection

Splash proof goggles or side shield safety glasses.

Other Protective Clothing or Equipment

Provide convenient safety showers and eyewash stations.

Work/Hygienic Practices

N/A

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