

Res Life

MATERIAL SAFETY DATA SHEET FROM STEARNS PACKAGING CORPORATION

NFPA Designation 704

IDENTITY (As Used On Label and List)

FORMULA ID NUMBER: AL-0100
C20-0205
MSDS FILE NAME: D-LIME_X

D-Lime-X

Degree of Hazard

SYNONYMS: Surface Scum Remover
Formula H-20
#1230, #205

EPA REG #: None
USDA ACCEPTANCE DATE AND
CATEGORY CODE: 12/30/75; A3

4 = Extreme Flammability = 0
3 = High Health = 2
2 = Moderate Reactivity = 0
1 = Slight Special Hazard = None
0 = Insignificant

SHIPPING INFORMATION

DOT Shipping Name: Cleaning Compound, NOI, Liquid, Item 48590, Sub. 3, Class 35

CHEMICAL FORMULA: HOCH2COOH

DOT Shipping Number

Hazard Label

Hazard Class

CHEMICAL FAMILY: Organic Acid

None

None

None

CHEMICAL NAME AND SYNONYMS: Hydroxyacetic Acid
Glycolic Acid

Meets DOT Minimum Quantity Exemption: N/A

For Transportation Emergency Involving Hazardous Materials Contact

Meets DOT 1,000# Exemption: N/A

CHEM-TEL 1 - (800) 255 - 3924

SARA Section 313 Title III Notification Required:

No

SARA Section 313 Title III Chemical in Product:

None

CAS # of Chemical:

N/A

Weight % of Chemical:

N/A

If SARA notification is required, this MSDS MUST BE accompanied by an attached Section 313 notification (under EPA's Section 3 of the Emergency Planning and Community Right-to-Know Act.) Any copying or redistribution of this MSDS must include the Section 313 notification. If an attached Section 313 notification is NOT attached, please contact your supplier or Stearns Packaging Corporation for a copy. This notification is necessary if this product contains "toxic" chemicals on the SARA inventory.

SECTION I

Manufacturer's Name: STEARNS PACKAGING CORPORATION

Date of Form's Last Update: 02/20/91

Manufacturer's Phone Number for Information: 1 - (608) 246 - 5150

Manufacturer's FAX Number for Information and Leaving Overnight Messages: 1 - (608) 246 - 5149

Manufacturer's Address (Number, Street, City, State, and Zip Code)

Signature of Preparer (Optional)

4200 Sycamore Ave.

P.O. Box 3216 (Use Zip Code 53704)

Madison Wisconsin (WI) 53714

Peter Teska

Manager Research and Development
Regulatory Affairs Officer
Stearns Laboratories of Stearns Packaging Corporation

SECTION II-HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Q-Lime-K

Hazardous Components (Specific Chemical Identity; Common Name(s)) CAS #	HAZARD	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED (OPTI)
Hydroxyacetic Acid 79-14-1	Corrosive			2 (DuPont)
Nonylphenol Ethoxylate 68412-54-4	Irritant			

SECTION III-PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	234°F	Vapor Pressure (mm Hg)	2.7
Specific Gravity (Water=1)	1.066	Vapor Density (Air=1)	0.15
Melting Point	N/A	Evaporation Rate (Butyl Acetate=1)	N/A
Solubility in Water	Complete	pH (Concentrate)	1.86
Appearance and Odor	Amber color liquid, mild burnt sugar odor.	pH (1% Solution)	Not Determined

SECTION IV-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used):	Non-combustible	Flammable Limits
Extinguishing Media:	Not Applicable	LEL: Not Applicable
Special Fire Fighting Procedures:	Use full protective clothing and self-contained breathing apparatus.	UEL: Not Applicable
Unusual Fire and Explosion Hazards:	Unknown	

SECTION V-REACTIVITY DATA

Stability:	Unstable: No
	Stable: Yes
Conditions to Avoid:	None
Incompatibility (Materials to Avoid):	Metals, oxidizing materials, cyanides or sulfides.
Hazardous Decomposition or Byproducts:	Hydrogen, nitrogen oxides, hydrogen cyanide or hydrogen sulfide gases upon reaction with metals, nitric acid, cyanides or sulfides respectively.
Hazardous Polymerization:	May Occur: No
	Will Not Occur: Yes
Conditions to Avoid:	None Known

SECTION VI-HEALTH HAZARD DATA

D-Lime-X

Routes of Entry: Inhalation: No
 Skin Absorption: Yes
 Ingestion: Yes
 Eye Contact: Yes

Health Hazards (Acute and Chronic): Irritation of exposed tissues, especially eyes and mucous membranes.
 Chronic effects of exposure: Kidney and liver damage from inhalation have been reported in experimental animals.

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

Signs and Symptoms of Exposure: Inhalation: Vapors and mists may irritate or corrode mucous membranes with upper and lower respiratory irritation.
 Eye Contact: Liquid and mist may irritate the eyes, causing discomfort, tearing or blurring vision. Prolonged contact may lead to eye corrosion with corneal or conjunctival ulceration.
 Skin Contact: Brief contact may cause irritation or rash. Prolonged contact can cause skin burns and ulceration.
 Swallowing: Mists and liquid are corrosive to the mouth and throat. Swallowing the liquid burns the tissues, causes nausea, vomiting and collapse. Swallowing large quantities may cause death.

Medical Conditions Generally Aggravated by Exposure: No Data Available.

Emergency and First Aid Procedures:
 Eyes: Flush with copious amounts of water for at least 15 minutes. If irritation persists, obtain medical attention.
 Skin: Wash with warm soapy water for 15 minutes. If irritation persists, obtain medical attention.
 Inhalation: Remove from exposure. Obtain medical attention.
 Ingestion: Rinse mouth with water. Give copious amounts of water or milk to dilute. DO NOT induce vomiting.
 Note to Physician: No specific antidote. Use supportive care. Treatment should be based on judgement of the physician in response to reactions of the patient.

SECTION VII-PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Wear acid-resistant slicker and complete protective equipment including rubber gloves and rubber boots and chemical goggles and faceshield. For small spills or drips, mop or wipe up and dispose of in approved containers. For large spills, contain by diking with soil or other absorbent material and carefully neutralize with soda ash or lime. If soda ash is used, provide adequate ventilation to dissipate carbon dioxide gas. Keep non-neutralized material out of sewers, storm drains, surface waters and soils.

Waste Disposal Method: Waste disposal must be done in accordance with all local, city or municipality, county, state, and federal regulations. Consult your state department of natural resources or the EPA for specific questions not answerable through other sources. Wastewater should never enter a fresh water body without treatment.

Precautions to be taken in Handling and Storage: Store in a cool, dry place. Store away from all other chemicals. Keep container tightly closed when not in use. Do not use pressure to empty container. Wash thoroughly after handling. Do not get in eyes, on skin or on clothing.

Other Precautions: Containers, even those that are empty, will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full. Store in dry, well ventilated place above 50°F freezing point.

California Safe Drinking Water and Toxic Enforcement Act, Proposition 65.

Ethylene Oxide 75-21-8 <10 ppm

SECTION IX-CONTROL MEASURES

Respirator Protection (Specify Type): NIOSH/MSHA respirator with full faceplate if sensitivity to vapors is noted by user of product. In general, respirators are not needed if the product is used in a well-ventilated area. However, use of a respirator may be a good common sense approach to working with products where dusts and mists are known to cause irritation of the eyes and/or mucous membranes.

Ventilation:

Local exhaust:	To localize emissions at point of use
Mechanical (General):	Recommended
Special:	N/A
Other:	N/A

Protective Gloves: Neoprene, rubber, or other chemical resistant gloves.

Eye Protection: Splash goggles, or safety glasses if splashing is not a concern.

Other Protective Clothing or Equipment: Long sleeved shirt, trousers with full coverage. Chemical resistant safety suit if desired

Work/Hygienic Practices: As Good Hygiene Dictates

All information, recommendations and data contained herein concerning this product are based upon information available at the time of writing from recognized technical sources.

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