

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Lime Solvent
Product Class: Water-based Mild Acid Cleaner.
Emergency Telephone Number: 800-255-3924
Telephone Number for Information: 800-950-1975
Distributed By:
Dalco
300 5th Ave NW
New Brighton, Minnesota 55112

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)	%
A	Phosphoric Acid CAS #7664-38-2	20
B	Non-Ionic Surfactant CAS # 9016-45-9	1 - 5
C	Water CAS #7732-18-5	60 - 100

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview

Appearance and Odor: Light green liquid, citrus fresh fragrance.

Primary Hazards: Corrosive

Potential Health Hazards

Route(s) of Entry: **Skin Absorption:** **Ingestion:** X **Inhalation:**

Eye: May cause burns on contact.

Skin: May cause burns on contact.

Ingestion: Harmful if swallowed.

Inhalation: No hazardous vapors.

Signs and Symptoms of Exposure: Irritation on direct contact.

Carcinogenicity: NTP? No

IARC Monographs? No

OSHA Regulated? No

Target Organ (s): No additional data

Medical Conditions Generally Aggravated by Exposure: N. Av.

Health Hazards, Chronic: N. Av.

SECTION IV - FIRST AID MEASURES

Emergency and First Aid Procedures:

If Swallowed: Do not induce vomiting. If a person can swallow, give several glasses of water. Obtain immediate medical attention. **Eye Contact:** Flush eyes with running water for at least 15 minutes. Obtain immediate medical attention. **Skin Contact:** Flush with cool water. Remove and wash contaminated clothing before reuse. **For Inhalation:** Remove to fresh air. If irritation persists, get medical attention.

Sources Used: Raw material data, general toxicology from the trade for similar products.

SECTION V - FIRE FIGHTING MEASURES

Flammability: No **Autoignition Temperature:** N. Ap.

Flash Point (method used): None

Flammable Limits: N. Ap.

LEL

UEL

Extinguishing Media N. Ap.

Water?

Alcohol Foam?

Foam?

CO₂?

Water Fog?

Dry Chemical?

Vaporizing Liquid?

Other?

Special Fire Fighting Procedures: N. Ap.

Unusual Fire and Explosion Hazards: N. Av.

TDG Flammability Classification: Non-flammable

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

SECTION VI - ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Released or Spilled:

Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.

SECTION VII - HANDLING AND STORAGE

Precautions to be Taken in Handling and Storing:

Normal care in handling and storage.

Other Precautions: Keep out of reach of children. Keep from freezing.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specify Types): Not required

Ventilation: **Local Exhaust:** Not required

Special: Not required

Mechanical (General): Normal good ventilation sufficient.

Other: Not required

Protective Gloves: Natural rubber or synthetic.

Eye Protection: Approved safety goggles or glasses. **Footwear:** Not required

Other Protective Clothing or Equipment: Not required

Work/Hygienic Practices: Do not contaminate food or beverages with cleaning chemicals.

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Approximately 212°F

pH: 1-2 (1% solution)

Specific Gravity (H₂O) = 1: 1.10

Volatile: 65 - 75

Vapor Density (Air = 1): < 1

Odor Threshold: N. Av.

Evaporation Rate (Butyl Acetate = 1): N. Av.

Oil/Water Distribution

Solubility in Water: Complete

Coefficient: N. Av.

Vapor Pressure (MM HG): N. Av.

Melting Point: N. Ap.

SECTION X - STABILITY AND REACTIVITY

Stability: **Unstable:** **Stable:** X

Conditions to Avoid: Do not mix with any other chemicals, especially alkaline, bleach or ammonia cleaners. Avoid contact with alkaline materials & reactive metals.

Incompatibility (materials to avoid): Mild steel and aluminum may react to produce hydrogen gas that can produce an explosive in confined vessels. Reacts violently with strong bases. Do not use on marble, terrazzo, natural stone or other acid sensitive surfaces.

Hazardous Decomposition or By-products: N. Av.

Hazardous Polymerization:

May occur:

Will not occur: X

SECTION XI - TOXICOLOGICAL INFORMATION

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	1 mg/m3	1 mg/m3	N. Ap.	4,400 mg/kg (rat, oral)	7.7 mg/L (rat, 4 hrs.)
B	None	None	N. Av.	2,100 mg/kg (rat, oral)	>200 MG/L (rat, 1 hr.)
C	None	None	N. Av.	N. Av.	N. Av.

Teratogen, Mutagen, Reproductive Toxin Status: No

Toxicologically Synergistic Products: N. Av.

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicological Information: N. Av.

Chemical Fate Information: N. Av.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Neutralize and dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewerred, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.

RCRA Hazard Class: None

SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: Corrosive Liquid, Acidic Inorganic, N.O.S. (Containing Phosphoric Acid), Class 8

UN Number: UN3264

Packing Group: II

SECTION XV - PREPARATION DATA

Prepared By: Mike Elms

Telephone Number: 651-481-1900

Date: 4/02

SECTION XVI - REGULATORY INFORMATION

US Federal Regulations

TSCA Status: All ingredients listed.

CERCLA Reportable Quality: 5,000 Pounds, Phosphoric Acid

SARA Title III

Section 302 Extremely Hazardous Chemicals: None

Section 311/312 Hazard Category: Immediate health hazard

Section 313 Toxic Chemicals: Phosphoric Acid

State Regulations

NOTICE STATE OF CALIFORNIA

Warning: This product may contain chemicals known to the State of California to cause cancer or reproductive defects as trace impurities in the standard industrial materials used in the manufacture of this product.

International Regulations

WHMIS Controlled Product Hazard Class: NA

SECTION XVII - OTHER INFORMATION

None

N. Ap. - Not Applicable; N. Av. - Not Available

NFPA SYSTEM

2 A. Health Hazard

0 A. Fire Hazard

0 A. Reactivity Hazard

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