

MATERIAL SAFETY DATA SHEET

Name: LIME DESCALER

SECTION 1. IDENTIFICATION OF PRODUCT

Identity: Acid Cleaner
TOXICITY: 2

MSDS Number: 848
FIRE: 0

Date: 8/5/2004
REACTIVITY: 0

Supersedes: 5/15/2003
PROTECTION: C

Name
Phosphoric Acid

SECTION II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

CAS Number
7664-38-2

PEL
3 STEL

TLV
1 mg/ 3 40 %

SECTION III. PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:
212° F
Vapor Density
(Air = 1): 1

Specific Gravity:
1.240 ± 0.005
Evaporation
(H2O = 1):1

Vapor Pressure
(mm Hg.): ND
Water Solubility:
Complete

Melting Point:
ND
pH @ 77F:
Acid
VOCgm/L: 0

Appearance and Odor: Clear green liquid, odorless

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (TCC):
None

% LEL:
ND

% UEL:
ND

Flammable Limits:
ND

Extinguishing Media: Dry chemical, carbon dioxide, foam

Special Fire Fighting Procedures: Wear full faced self containing breathing apparatus and impervious clothing.

Unusual Fire and Explosion: Contact with common metals produces hydrogen which may form flammable mixture with air.

SECTION V. HEALTH HAZARD DATA

Route(s) of Entry: INHALATION? Yes EYES? Yes SKIN? Yes INGESTION? Yes
(Acute) Health Hazards:

Eyes: Corrosive. Causes eye burns. May cause permanent damage

Skin: Corrosive. Causes skin burns. It may not produce an immediate burning sensation upon skin contact, delaying the awareness of worker that contact has occurred.

Ingestion: Harmful if swallowed. May cause nausea, vomiting and a burning sensation.

Inhalation: May irritate or burn respiratory passages

(Chronic) Health Hazards: Pre-existing site disorders may be aggravated by exposure to this product

Signs and Symptoms of Exposure:

Eyes: May cause severe irritation, possibly permanent injury.

Skin: Causes burns which may not be immediately painful or evident.

Ingestion: Harmful if swallowed. May cause nausea, vomiting and a burning sensation.

Inhalation: Breathing mist may cause respiratory irritation

Medical Conditions Generally Aggravated by Exposure: Pre-existing contact site disorders.

Emergency First Aid Procedures:

Eyes: Immediately flush eyes with large amounts of water for about 15 minutes. Hold eyelids apart during the flushing to ensure thorough rinsing.

Skin: Immediately flush all affected areas with large amount of running water for at least 15 minutes. Remove and discard contaminated clothing and shoes. Get medical attention.

Ingestion: Do not induce vomiting. If conscious, give large quantity of water. Do not give anything by mouth to an unconscious person. Obtain medical attention.

Inhalation: Remove to fresh air. If irritation persists, obtain medical attention.