

MATERIAL SAFETY DATA SHEET

SECTION ONE *PRODUCT*

PRODUCT NAME De-Lime-Inate

CHEMICAL FAMILY

Acid Detergent

SUPPLIERS NAME

EMERGENCY CONTACT

ADDRESS

1-800-752-6589

CITY STATE

SECTION TWO *HAZARDOUS INGREDIENTS*

MATERIAL OR COMPONENT

HAZARD DATA

Phosphoric Acid CAS 7664-38-2

Airborne TWA 1mg/m(3)

DOT DESCRIPTION

Compounds, cleaning liquid (Containing Phosphoric Acid) 8, NA 1760, III

NFPA Health-2 Flammability-0 Reactivity-0 Other-**HMIS** Health-1 Flammability-0 Reactivity-0 Other-

SECTION THREE *PHYSICAL AND CHEMICAL CHARACTERISTICS*

BOILING POINT 212 F**SPECIFIC GRAVITY**

1.2

VAPOR PRESSURE

Heavier than air

SOLUBILITY IN WATER

Complete

REACTIVITY IN WATER

Non-reactive

APPEARANCE AND ODOR Clear liquid with a mild odor.

SECTION FOUR *FIRE AND EXPLOSION DATA*

FLASH POINT None**FLAMMABLE LIMITS** N/A**EXTINGUISHING MEDIA** N/A**SPECIAL FIRE FIGHTING PROCEDURE**

N/A

UNUSUAL FIRE EXPLOSION HAZARDS Phosphoric acid may react with metals and release hydrogen.

SECTION FIVE *REACTIVITY DATA*

STABILITY Stable**INCOMPATIBILITY** Strong oxidizing agents**HAZARDOUS DECOMPOSITION PRODUCT**

phosphorous oxide fumes.

HAZARDOUS POLYMERIZATION

Will not occur

SECTION SIX *HEALTH*

EFFECTS OF OVEREXPOSURE**EYES** Will cause eye damage if not treated immediately.**SKIN** Will cause severe irritation and burns.**INHALATION** Mist may cause damage to nasal and respiratory systems.**INGESTION** Irritation and damage to mucous membranes.

SECTION SEVEN *EMERGENCY AND FIRST AID*

EYES Flush with clear water for 15 minutes. Consult a physician.**SKIN** Wash with soap and water. Rinse thoroughly. If irritation persists, consult a physician.**INHALATION** Remove individual to fresh air source, give oxygen if available. Begin CPR if necessary.**INGESTION** DO NOT induce vomiting. Drink large amounts of water, milk, magnesia. Contact a physician.

SECTION EIGHT *SPECIAL PROTECTION*

EYE PROTECTION Chemical safety glasses**GLOVES** Acid resistant**VENTILATION** Mechanical is satisfactory**RESPIRATORY PROTECTION** If TLV is exceeded wear a NIOSH approved respirator.**OTHER PROTECTIVE EQUIPMENT** Rubber apron and boots if working conditions merit.

SECTION NINE *SPILL OR LEAK PROCEDURES*

IN CASE OF SPILL

Neutralize to pH of 7 with Soda Ash. Pick up with shovel or scoop.

WASTE DISPOSAL METHOD

Landfill in accordance with local, state, and federal regulations.

STORAGE AND HANDLING PRECAUTION

keep from freezing

PREPARED BY: KENT D. ZIMMERMAN **TITLE:** CHEMIST **DATE** 09/28/06