

MATERIAL SAFETY DATA SHEET**SECTION ONE** *PRODUCT*

PRODUCT NAME FLASH

CHEMICAL FAMILY

Liquid 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 (25-40%)

ORAL LD 150 mg/kg

Ammonium Bifluoride CAS 1341-49-7 (10-15%)

2.5 mg/m3 fluoride as fluorine

DOT DESCRIPTION

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

NFPA Health-2 Flammability-0 Reactivity-0 Other-H**HMIS** Health-2 Flammability-0 Reactivity-0 Other-Corrosive**SECTION THREE** *PHYSICAL AND CHEMICAL CHARACTERISTICS***BOILING POINT**

212 F

SPECIFIC GRAVITY

1.14

VAPOR PRESSURE

Heavier than air

SOLUBILITY IN WATER

Complete

REACTIVITY IN WATER

Non-Reactive

APPEARANCE AND ODOR Pink with mild odor**SECTION FOUR** *FIRE AND EXPLOSION DATA***FLASH POINT**

N/A

FLAMMABLE LIMITS N/A**EXTINGUISHING MEDIA** N/A**SPECIAL FIRE FIGHTING PROCEDURE**

N/A

UNUSUAL FIRE EXPLOSION HAZARDS N/A

SECTION FIVE *REACTIVITY DATA*

STABILITY Stable**INCOMPATIBILITY** Strong Oxidizers**HAZARDOUS DECOMPOSITION PRODUCT**

Carbon dioxide, Carbon monoxide, Phosphorus oxiders

HAZARDOUS POLYMERIZATION

Will not occur

SECTION SIX *HEALTH*

EFFECTS OF OVEREXPOSURE**EYES** Contact will cause eye damage, if not treated immediately.**SKIN** Will cause severe irritation**INHALATION** Spray mist will cause severe irritation and possible burns to throat.**INGESTION** Will cause burns to the esophagus and stomach.

SECTION SEVEN *EMERGENCY AND FIRST AID*

EYES Flush with water for 15 minutes. Time is of the essence to limit damage. Contact a physician immediately.**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. If breathing has stopped, begin CPR**INGESTION** Dilute by drinking milk, water, chalk or magnesia . DO NOT Induce Vomiting. Call a physician immediately.

SECTION EIGHT *SPECIAL PROTECTION*

EYE PROTECTION Safety glasses**GLOVES** Water Resistant**VENTILATION** Mechanical is satisfactory**RESPIRATORY PROTECTION** If TLV is exceeded, wear a NIOSH approved respirator.**OTHER PROTECTIVE EQUIPMENT** Boots and apron if working conditions merit.

SECTION NINE *SPILL OR LEAK PROCEDURES*

IN CASE OF SPILL

Neutralize with soda ash.

WASTE DISPOSAL METHOD

In accordance with local, state, and federal regulations.

STORAGE AND HANDLING PRECAUTION

Do not freeze.

PREPARED BY: KENT D. ZIMMERMAN **TITLE:** CHEMIST **DATE** 08-14-05