MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION

NFPA Rating: Health-3; Flammability-0; Reactivity-0; Special- -

HMIS Rating: Health-3; Flammability-0; Reactivity-0; Personal Protection-B

Manufacturer's Name: **LYN DISTRIBUTING**
Address 965 North Redwood Road
North Salt Lake, Utah 84010

DOT Hazard Classification: Corrosive Material, 8
Identity (trade name as used on label):
Brute tile cleaner

Date Prepared: 02/22/98 Prepared By: Stan

MSDS Number: Revision - 2

Information Calls: (801)295-5022
EMERGENCY RESPONSE NUMBER: 1(800)366-5022

NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
PHOSPHORIC ACID	7664-38-2	Yes	1mg/m3	1mg/m3	d

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 215ºF

Specific Gravity (H2O=1): 1.06

Vapor Pressure: PSIG @ 70°F (Aerosols): N/A

Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/D

Vapor Density (Air = 1): .88

Evaporation Rate (water = 1): 1.0

Solubility in Water: Miscible

Water Reactive: No

Appearance and Odor: opaque , non-viscous, pink liquid with mint fragrance.

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) N/A

Auto Ignition Temperature N/A

Flammability Limits in Air by % in Volume: % LEL: N/A % UEL: N/A

FLASH POINT AND METHOD USED (non-aerosols): Non-combustible, water based.
EXTINGUISHER MEDIA: Non-combustible. Use agents as appropriate for materials in surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: Non-combustible. Use clothng & safety equipment as may be suitable for phosphoric acid & materials in the surrounding fire.

Unusual Fire & Explosion Hazards: Will liberate flammable hydrogen gas on contact with many metals. Protect personnel against mist, vapor or splashes.

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY [X] STABLE [ ] UNSTABLE

HAZARDOUS POLYMERIZATION [ ] WILL [X] WILL NOT OCCUR

Incompatibility (Mat. to avoid): Bases, metals, mercuric sulfate, perchloric acid, carbides, acetylides, phosphides & silicides.

Conditions to Avoid: None

Hazardous Decomposition Products: Phosphorus pentoxide, oxides of carbon, unidentified organic compounds.

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: [ ] INHALATION [ ] INGESTION [X] SKIN ABSORPTION [X] EYE [ ] NOT HAZARDOUS

ACUTE EFFECTS: Corrosive material. Severe irritant to all body tissues. Prolonged or repeated contact may damage or destroy body tissues.

Inhalation: Mist & spray can cause respiratory tract irritation with burning, choking, coughing. High concentrations &/or prolonged contact can cause inflammation & destruction of nasal passages & breathing difficulties, which may be delayed in onset.

Eye Contact: Liquid can cause eye irritation, severe burns & permanent damage including blindness.

Skin Contact: Liquid can cause burning of skin. Repeated or prolonged contact can cause irritation & dermatitis.

Ingestion: Can cause severe burns of mouth, esophagus and stomach. Nausea, pain and vomiting can occur.

CHRONIC EFFECTS: Repeated episodes of tissue damage may result in accumulation of scar tissue.

Medical Conditions Generally Aggravated by Exposure: Contact may further irritate any pre-existing lesions.

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Irrigate with large quantities of water, lifting upper and lower eyelids occasionally. Get medical attention.

Skin Contact: Remove contaminated clothing & wash skin with large quantities of water. If irritation persists, get medical attention.

Inhalation: Remove to fresh air. If breathing stops, give artificial respiration. Get immediate medical attention.

Ingestion: DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water. Get immediate medical attention.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): Not normally needed at ambient temperatures. Under fire conditions, use approved self-contained breathing apparatus with full face piece.

Protective Gloves: Neoprene or PVC.

Eye Protection: Chemical goggles, face shield where splashing is possible.

Ventilation Requirements: As necessary to maintain air concentrations below 1mg/m3 at all times. Special ventilation is not normally needed.

Other Protective Clothing & Equipment: Safety showers & eyewash stations. Neoprene or PVC rain suit & boots, if needed.

Hygienic Work Practices: Avoid contact wtih skin. Do not eat, drink or smoke in work area. Wash hands after handling. Remove contamianted clothing.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken If Material Is Spilled Or Released: Contain spill & prevent run off into ground & surface waters or sewers. Neutralize with soda ash. Recover neutralized products into properly labeled non-leaking containers for proper disposal.

Waste Disposal Methods: Dispose of in accordance with all local, state and federal regulations.

Precautions To Be Taken In Handling & Storage: Store in original shipping containers. Keep closed when not in use. Do not store near strong alkalis or other reactive materials. Shelf life 1 year. Protect from extreme heat and cold.

Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Read & follow label directions.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only