# 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-1; Special- -

**HMIS Rating:** Health-3; Flammability-0; Reactivity-1; 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):
**Restore tile cleaner**

Date Prepared: 06/10/98 Prepared By: STAN

**MSDS Number:** Revision - 5

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

NOTICE: JUDGEMENT 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 ** |
|---|---|---|---|---|---|
| **ETHYLENE GLYCOL MONOBUTYL ETHER** | 111-76-2 | Yes | 25 | 25 | d |
| **PHOSPHORIC ACID** | 7664-38-2 | Yes | 1mg/m3 | 1mg/m3 | d |
| **AMMONIUM BIFLUORIDE (EXP. LIMITS FOR FLUORIDE AS DUST)** | 1341-49-7 | No | N/E | N/E | d |
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## SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

**Boiling Point:** 100ºC

**Specific Gravity** (H2O=1): 1.100-1.250

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

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

**Vapor Density** (Air = 1): N/D

**Evaporation Rate** (water = 1): 1

**Solubility in Water:** Miscible

**Water Reactive:** No

**Appearance and Odor:** Clear to slightly hazy non-viscous pink liquid with characteristic odor.

## 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
**SPECIAL FIRE FIGHTING PROCEDURES:** Self-contained breathing apparatus.

**EXTINGUISHER MEDIA:** Non-combustible. Use media appropriate to surrounding fire.

**Unusual Fire & Explosion Hazards:** Reaction with metals may release flammable hydrogen gas. Heat may release corrosive hydrogen fluoride gas or mist.

## SECTION 4 - REACTIVITY HAZARD DATA

**STABILITY** [ X ] STABLE [ ] UNSTABLE

**HAZARDOUS POLYMERIZATION** [ ] WILL [ X ] WILL NOT OCCUR

**Incompatibility** (Mat. to avoid): Bases, metals, glasses, carbides, acetylides, phosphides, silicides.

**Conditions to Avoid:** Contact with strong bases can cause violent reaction generating large amounts of heat.

**Hazardous Decomposition Products:** Hydrogen fluoride gas, oxides of phosphorus, nitrogen & carbon, unidentified organics.

## SECTION 5 - HEALTH HAZARD DATA

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

**ACUTE EFFECTS:** Corrosive to eyes, skin, mucous membranes.

**Inhalation:** May cause severe irritation to upper respiratory tract. Not likely to be a problem under normal conditions of handling and use.

**Eye Contact:** May cause burns.

**Skin Contact:** May cause severe irritation & fluoride burns, which may not be immediately evident.

**Ingestion:** May cause systemic toxic effects as well as tissue damage to GI tract.

**CHRONIC EFFECTS:** Gastric, intestinal, circulatory, respiratory, nervous complaints, skin rashes.

**Medical Conditions Generally Aggravated by Exposure:** Asthma and conditions affecting above systems and others.

## EMERGENCY FIRST AID PROCEDURES

**Eye Contact:** Flush (including under lids) with water for 30 minutes. Get medical attention.

**Skin Contact:** Flush with cold water for at least 15 minutes. Use alkaline soap. If irritation occurs, get medical attention.

**Inhalation:** Remove to fresh air. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion: DO NOT INDUCE VOMITING.** Drink large quantity of water. Get immediate medical attention.

## SECTION 6 - CONTROL AND PROTECTIVE MEASURES

**Respiratory Protection (specify type):** Not generally needed under normal conditions of handling and use.

**Protective Gloves:** Neoprene or PVC.

**Eye Protection:** Chemical goggles.

**Ventilation Requirements:** Special ventilation is not generally needed under normal conditions of handling & use.

**Other Protective Clothing & Equipment:** Eyewash stations & safety showers.

**Hygienic Work Practices:** Avoid contact with skin and avoid breathing vapors.

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

**Steps To Be Taken If Material Is Spilled Or Released:** Contain spill. Do not contaminate sewers, ground or surface waters. Neutralize with soda ash or lime. Soak up in inert absorbent. Place in sealed, leak-proof, properly labeled containers.

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

**Precautions To Be Taken In Handling & Storage:** Store in original container. Keep container sealed when not in use. Shelf life one year. Protect from extreme heat or cold.

**Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN.** Read and 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