

# 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	
<b>NFPA Rating:</b> Health-3; Flammability-0; Reactivity-0; Special- - <b>Manufacturer's Name:</b> LYN DISTRIBUTING <b>Address:</b> 965 North Redwood Road North Salt Lake, Utah 84010	<b>HMIS Rating:</b> Health-3; Flammability-0; Reactivity-0; Personal Protection-E <b>DOT Hazard Classification:</b> Corrosive Material, 8 <b>Identity (trade name as used on label):</b> DE-MIN 24 BOWL CLEANER
<b>Date Prepared:</b> 07/13/98 <b>Prepared By:</b> STAN	<b>MSDS Number:</b> Revision - 3
<b>Information Calls:</b> (801)295-5022 <b>EMERGENCY RESPONSE NUMBER:</b> 1(800)366-5022	<b>NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA</b>

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 **
HYDROCHLORIC ACID	7647-01-0	Yes	5	5	d

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS	
<b>Boiling Point:</b> 212°F	<b>Specific Gravity (H2O=1):</b> 1.05
<b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): N/A	<b>Vapor Pressure (Non-Aerosols)(mm Hg and Temperature):</b> N/A
<b>Vapor Density (Air = 1):</b> N/A	<b>Evaporation Rate (water= 1):</b> 1
<b>Solubility in Water:</b> Total	<b>Water Reactive:</b> None
<b>Appearance and Odor:</b> red fluid with mint fragrance.	

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA		
<b>FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols)</b> N/A	<b>Auto Ignition Temperature</b> N/A	<b>Flammability Limits in Air by % in Volume:</b> % LEL: N/A      % UEL: N/A
<b>FLASH POINT AND METHOD USED (non-aerosols):</b> None	<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Wear NIOSH approved breathing apparatus & full protective gear when fighting fires. Spray containers with water to keep cool & prevent ruptures.	
<b>EXTINGUISHER MEDIA:</b> Non-Combustible.	<b>Unusual Fire &amp; Explosion Hazards:</b> Avoid exposure to metals, oxidants which might product flammable hydrogen gas.	

SECTION 4 - REACTIVITY HAZARD DATA	
<b>STABILITY</b> <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE	<b>HAZARDOUS POLYMERIZATION</b> <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT    OCCUR
<b>Incompatibility (Mat. to avoid):</b> Bases, metals, mercuric sulfate, carbides of calcium, cesium, rubidium.	<b>Conditions to Avoid:</b> Contact with strong bases can cause violent reaction generating large amounts of heat.
<b>Hazardous Decomposition Products:</b> Hydrogen gas.	

SECTION 5 - HEALTH HAZARD DATA	
<b>PRIMARY ROUTES OF ENTRY:</b> <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS	
<b>ACUTE EFFECTS</b>	
<b>Inhalation:</b> Irritant causing burning, choking, coughing, headache.	
<b>Eye Contact:</b> Irritation, severe burns & permanent damage including blindness.	<b>Skin Contact:</b> Burning, irritation, dermatitis.
<b>Ingestion:</b> Unlikely route-causes severe burns to internal organs.	
<b>CHRONIC EFFECTS:</b> None known.	
<b>Medical Conditions Generally Aggravated by Exposure:</b> Skin, eye, mucous membrane irritation.	

EMERGENCY FIRST AID PROCEDURES	
<b>Eye Contact:</b> Wash eyes for 15 minutes. Get immediate medical attention.	
<b>Skin Contact:</b> Remove contaminated clothing, wash skin with water for 15 minutes.	
<b>Inhalation:</b> Move to fresh air. Get medical attention.	
<b>Ingestion:</b> DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water. Get immediate medical attention.	

SECTION 6 - CONTROL AND PROTECTIVE MEASURES	
<b>Respiratory Protection (specify type):</b> Approved self-contained breathing apparatus when use concentrations exceed 100 ppm HCl vapors.	
<b>Protective Gloves:</b> Neoprene.	<b>Eye Protection:</b> Chemical goggles or face shield.
<b>Ventilation Requirements:</b> As necessary to maintain air concentration below 5 ppm at all times.	
<b>Other Protective Clothing &amp; Equipment:</b> Neoprene or PVC rain suit & boots in case of fire. Safety showers & eyewash stations should be available.	
<b>Hygienic Work Practices:</b> Wash hands after use. Do not eat, drink or smoke in immediate area.	

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE	
<b>Steps To Be Taken If Material Is Spilled Or Released:</b> Contain fluid by diking. Neutralize with soda ash or baking soda.	
<b>Waste Disposal Methods:</b> Neutralize material may be washed down the sewer. Absorbed material to be boxed and disposed of in compliance with local, state and federal regulations.	
<b>Precautions To Be Taken In Handling &amp; Storage:</b> Store in closed labeled containers. Keep in cool, metal free area for not more than one year.	
<b>Other Precautions &amp;/or Special Hazards:</b> KEEP OUT OF REACH OF CHILDREN. Do not store near strong alkalis or other reactive materials.	

*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