

# 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-2; Special- -			<b>HMIS Rating:</b> Health-3; Flammability-0; Reactivity-2; Personal Protection-2		
<b>Manufacturer's Name:</b> LYN DISTRIBUTING <b>Address:</b> 965 NORTH REDWOOD ROAD NORTH SALT LAKE, UTAH 84054			<b>DOT Hazard Classification:</b> Corrosive Material, 8 <b>Identity (trade name as used on label):</b> H T C - HOT TANK CLEANER		
<b>Date Prepared:</b> 05/03/97 <b>Prepared By:</b> Stan			<b>MSDS Number:</b> <b>Revision -</b> 2		
<b>Information Calls:</b> (801)295-5022 <b>EMERGENCY RESPONSE NUMBER:</b> 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 **
SODIUM HYDROXIDE	1310-73-2	No	2mg/m3	2mg/m3	d
			TWA ceiling	TWA ceiling	
SODIUM METASILICATE	6834-92-0	NO	15 MG/M3	10 MG/M3	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS					
<b>Boiling Point:</b> N/A			<b>Specific Gravity (H<sub>2</sub>O=1):</b> 2.12		
<b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): N/A			<b>Vapor Pressure (Non-Aerosols)(mm Hg and Temperature):</b> N/D		
<b>Vapor Density (Air = 1):</b> N/D			<b>Evaporation Rate (water = 1):</b> N/A		
<b>Solubility in Water:</b> Miscible			<b>Water Reactive:</b> YES		
<b>Appearance and Odor:</b> White powder with no odor					
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA					
<b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) 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</b> (non-aerosols): Non-combustible			<b>EXTINGUISHER MEDIA:</b> Non-combustible. Use media suitable for surrounding fire.		
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Non-combustible. Use procedures appropriate to surrounding fire.					
<b>Unusual Fire &amp; Explosion Hazards:</b> Contact with aluminum or other reactive metals may liberate explosive hydrogen gas.					
SECTION 4 - REACTIVITY HAZARD DATA					
<b>STABILITY</b> [ X ] STABLE [ ] UNSTABLE			<b>HAZARDOUS POLYMERIZATION</b> [ ] WILL [ X ] WILL NOT OCCUR		
<b>Incompatibility (Mat. to avoid):</b> Acids, aluminum or other reactive metals, leather, wool.			<b>Conditions to Avoid:</b> None.		
<b>Hazardous Decomposition Products:</b> Sodium hydroxide.					
SECTION 5 - HEALTH HAZARD DATA					
<b>PRIMARY ROUTES OF ENTRY:</b> [ X ] INHALATION [ X ] INGESTION [ X ] SKIN ABSORPTION [ X ] EYE [ ] NOT HAZARDOUS					
<b>ACUTE EFFECTS:</b> Corrosive to all body tissues with which it comes in contact.					
<b>Inhalation:</b> Airborne concentrations of mist or spray may cause damage to the upper respiratory tract & even lung tissue which could produce chemical pneumonia, depending on severity of exposure.					
<b>Eye Contact:</b> May cause severe burns that result in damage & even blindness.			<b>Skin Contact:</b> May cause severe burns on prolonged contact.		
<b>Ingestion:</b> Can cause severe burns on mucous membranes of mouth, throat, esophagus, stomach.					
<b>CHRONIC EFFECTS:</b> Tissue damage depending on location and degree of exposure.					
<b>Medical Conditions Generally Aggravated by Exposure:</b> Dermatitis.					
EMERGENCY FIRST AID PROCEDURES					
<b>Eye Contact:</b> Immediately flush with large amounts of water for 15 minutes while holding lids apart, then seek medical attention.					
<b>Skin Contact:</b> Immediately remove contaminated clothing & footwear & wash contaminated areas with plenty of water for 15 minutes. If tissue damaged, seek medical attention.					
<b>Inhalation:</b> Remove to fresh air. Give oxygen if breathing difficult, artificial respiration if breathing has stopped. Get prompt medical attention					
<b>Ingestion:</b> <b>DO NOT INDUCE VOMITING.</b> Drink 3 to 4 glasses of water, milk if available. Get immediate medical attention. Never give anything by mouth to an unconscious person.					
SECTION 6 - CONTROL AND PROTECTIVE MEASURES					
<b>Respiratory Protection (specify type):</b> None required under normal use and handling conditions. Use NIOSH/MSHA approved respirator where mist or spray may be generated.					
<b>Protective Gloves:</b> Rubber			<b>Eye Protection:</b> Chemical goggles.		
<b>Ventilation Requirements:</b> Normal room ventilation is generally adequate. Use adequate local exhaust ventilation where mist or spray may be generated.					
<b>Other Protective Clothing &amp; Equipment:</b> Clothing as needed to minimize contact.					
<b>Hygienic Work Practices:</b> Do not eat, drink or smoke in work area. Wash immediately on contact.					
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE					
<b>Steps To Be Taken If Material Is Spilled Or Released:</b> Sweep up dry product. Place in properly labeled, sealed, non-leaking containers for proper disposal.					
<b>Waste Disposal Methods:</b> Dispose of in accordance with all local, state and federal regulations.					
<b>Precautions To Be Taken In Handling &amp; Storage:</b> Store in original shipping containers. Keep closed when not in use. Shelf life 1 year. Protect from extremewet conditions. Avoid bodily contact.					
<b>Other Precautions &amp;/or Special Hazards:</b> <b>KEEP OUT OF REACH OF CHILDREN.</b> 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