

# 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<br><b>Address:</b> 965 NORTH REDWOOD ROAD<br>NORTH SALT LAKE, UTAH 84054   |  |   | <b>DOT Hazard Classification:</b> Corrosive Material, 8<br><b>Identity</b> (trade name as used on label):<br>H T C - HOT TANK CLEANER |   |                 |                           |
| <b>Date Prepared:</b> 05/03/2012 <b>Prepared By:</b> Stan   |  | <b>MSDS Number:</b> _____ <b>Revision -</b> 2 |   |   |                 |                           |
| <b>Information Calls:</b> (801)295-5022<br><b>EMERGENCY RESPONSE NUMBER:</b> 1(800)366-5022   |  |   | NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA  |   |                 |                           |
| SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION   |  |   |   |   |                 |                           |
| <b>COMPONENTS-CHEMICAL NAMES AND COMMON NAMES</b><br>(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                         |
| 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 (H2O=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><br>N/A       |   | <b>Flammability Limits in Air by % in Volume:</b><br>% 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> <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</b> (Mat. to avoid): 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> <input checked="" type="checkbox"/> INHALATION <input checked="" type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYE <input type="checkbox"/> 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> DO NOT INDUCE VOMITING. 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> 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