

# MATERIAL SAFETY DATA SHEET

HMIS HAZARDOUS MATERIALS

(Prepared According to 29 CFR 1910.1200)

IDENTIFICATION SYSTEM

A = Safety Glasses

F = C + Dust Mask

4 = Extreme

Health.... 3

B = A + Gloves

G = B + Respirator

3 = High

Flammability.... 0

C = B + Apron

H = F + Goggles

2 = Moderate

Physical Hazard.... 1

D = C + Face Shield

I = B + Respirator

1 = Slight

Protection.... B

E = B + Dust Mask

X = Ask Supervisor

0 = Insignificant

## SECTION I - PRODUCT IDENTIFICATION

**Product Code: 0971****Supersedes date: June 4, 2010****Section(s) changed: I, II, III****Effective date: August 17, 2011**

PRODUCT NAME: METAL SAFE DISHMACHINE DETERGENT

CHEMICAL FAMILY: Heavy-Duty Detergent

GENERIC NAME: Alkaline Detergent for Auto-Feed Only

FORMULA: Proprietary Mixture

DISTRIBUTORS NAME:

DISTRIBUTORS ADDRESS:

INFORMATION PHONE NUMBER: 314-771-6600

EMERGENCY PHONE NUMBER IN THE EVENT OF CHEMICAL EMERGENCIES INVOLVING A SPILL, LEAK, FIRE OR ACCIDENT: CHEMTREC 800-424-9300

**PROPER SHIPPING DESCRIPTION:** Corrosive Solid, basic, inorganic, n.o.s., 8, .UN3262, II**Label:** Corrosive

## SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS No.	Wt%	OSHA PEL	ACGIH TLV	RQ
Sodium Hydroxide	1310.73-2	2-8	NE	NE	NE

The information & recommendations set forth herein are presented in good faith & believed to be current & reliable. The distributor makes no representation as to the completeness or accuracy thereof & supplies information upon the condition that the persons receiving same will make their own determination as to its suitability for their purpose prior to use. In no event will the distributor be responsible for any damage of any nature whatsoever resulting from the use of or reliance upon this information. No representation or warranty, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which it refers.

## SECTION III - PHYSICAL/CHEMICAL DATA

Boiling Point (°F): NA  
Vapor Pressure (mm Hg): NA  
Vapor Density (Air=1): NA  
Solubility in Water: Complete  
Physical Description: White Cast Solid

Specific Gravity 1.4  
Lbs/Gal Density: NA  
pH Use Dilution: 11.5

## SECTION IV - FIRE & EXPLOSION HAZARD DATA

FLASH POINT (Method Used): None LIMITS: LEL: NA UEL: NA  
EXTINGUISHING MEDIA: This material is not combustible. Use extinguishing media appropriate for surrounding fire.  
SPECIAL FIRE FIGHTING PROCEDURES: Wet product is slippery. Avoid physical contact with wet material. Highly caustic. Wear self-contained positive pressurized breathing apparatus MSHA/NIOSH Approved or equivalent to maintain TLV.  
UNUSUAL FIRE & EXPLOSION HAZARD: Prolonged contact of solutions of this product with aluminum and other soft metals may release flammable hydrogen gas.

## SECTION V - REACTIVITY DATA

Stability: Stable. Store in a cool dry area.  
Hazardous Polymerization: Will not occur.  
Incompatibility (Materials to Avoid): Strong acids. Prolonged contact with aluminum, copper, tin, lead, or zinc may release flammable hydrogen gas.  
Hazardous Decomposition Products: None

## SECTION VI - STORAGE & HANDLING INFORMATION

KEEP OUT OF REACH OF CHILDREN. DANGER.  
Avoid all contact. Store upright in original closed container.  
Other Precautions: Do not get in eyes, on skin or on clothing. Remove & wash contaminated clothing before reuse.

## SECTION VII - HEALTH HAZARDS AND FIRST AID

Carcinogenicity:	NTP?	IARC Monographs?	OSHA REGULATED?
NE	NE	NE	YES

EFFECTS OF OVEREXPOSURE:

EMERGENCY FIRST AID PROCEDURES:

SKIN: Severe burns  
SKIN: Flush with flowing water for 15 minutes. See physician if irritation persists.

EYES: Severe burns  
EYES: Flush with flowing water for 15 minutes & see physician.

INHALATION: NA  
INHALATION: Remove to fresh air.

INGESTION: May be harmful or fatal if swallowed.  
INGESTION: Give a teaspoonful of milk of magnesia, followed by milk or water to dilute material, and/or raw egg whites. DO NOT induce vomiting. Avoid alcohol. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: (Specify type) N/A.  
VENTILATION: Normal room ventilation.  
PROTECTIVE GLOVES: Alkali proof for handling spilled product.  
EYE PROTECTION: Safety glasses to prevent splash into eyes during use of product..  
OTHER PROTECTIVE EQUIPMENT: Eye wash equipment in work area.

## SECTION IX - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep up large spills to suitable containers for disposal. Handle with gloves.  
WASTE DISPOSAL METHOD: Dispose of in accordance with applicable Federal, State & Local regulations.

## SECTION X - ADDITIONAL FEDERAL REGULATIONS

SARA TITLE III (EPCRA) NOTIFICATION: Does not contain chemicals subject to the reporting requirements of Section 302, 304, or 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986.

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA) NOTIFICATION: SODIUM HYDROXIDE  
For more information, consult 40 CFR parts 302, 355, 370, 372, and 40 CFR part 68.

NE - Not Established NA - Not Applicable GT - Greater Than