MATERIAL SAFETY DATA SHEET

MILES INC. 
SUMER HOUSEHOLD PRODUCTS DIVISION 
123 WEST 65 STREET 
CHICAGO, IL 60638

Emergency Phone Number (Spill or Release): (219) 264-8400 (24 hours) 
National Poison Control Network (Medical Emergency): (412) 681-6669 

SECTION 1: IDENTITY

COMMON NAME: Sodium Hydroxide Solution (USED ON LABEL) 
PROPER SHIPPING NAME: Sodium Hydroxide Solution 
D.O.T. HAZARD CLASS: Corrosive Material 
CHEMICAL FAMILY: Caustic Solution (Oven Cleaner) 
CHEMICAL NAME: Mixture 
FORMULA: Mixture

SECTION 2: HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS: 

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazard</th>
<th>TLV (Units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide (LYE) &lt;10%</td>
<td>Skin and Eye Corrosion</td>
<td>2mg/M³/8hr. (OSHA)</td>
</tr>
<tr>
<td>CAS# 1310-73-2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dipropylene Glycol Methyl Ether (DPM)</td>
<td>Skin and Eye Corrosion</td>
<td>600mg/M³/8hr. (OSHA)</td>
</tr>
<tr>
<td>CAS# 3459-09-4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tetrahydrofurfuryl Alcohol (THFA R)</td>
<td>Eye irritation, inhalation</td>
<td>200 mg/M³/8hr. (RECOMMENDED)</td>
</tr>
<tr>
<td>CAS# 97-99-4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION 3: PHYSICAL AND CHEMICAL CHARACTERISTICS (FIRE AND EXPLOSION DATA)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>212°F</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.08-1.10</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not Available</td>
</tr>
<tr>
<td>Percent Volatile by Volume (%)</td>
<td>89.2%</td>
</tr>
<tr>
<td>Vapour Density</td>
<td>Not Available</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Solution is completely miscible.</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>White viscous liquid in a polyethylene pouch; slight sharp odor.</td>
</tr>
<tr>
<td>Flash Point</td>
<td>None</td>
</tr>
<tr>
<td>Auto Ignition Temperature</td>
<td>Not Available</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>Lower = None, Upper = None</td>
</tr>
<tr>
<td>Special Fire Fighting Procedures</td>
<td>None</td>
</tr>
<tr>
<td>Extinguisher Media</td>
<td>None</td>
</tr>
<tr>
<td>Unusual Fire and Explosion Hazards</td>
<td>None</td>
</tr>
</tbody>
</table>

SECTION 4: PHYSICAL HAZARDS

STABILITY: UNSTABLE _X_ 
INCOMPATIBILITY: (MATERIALS TO AVOID) 
HAZARDOUS DECOMPOSITION PRODUCTS: None 
HAZARDOUS POLYMERIZATION MAY OCCUR _X_ WILL NOT OCCUR _X_

CONDITIONS TO AVOID:

PAGE 1 OF 3
COMMON NAME: S.O.S OVEN CLEANING PAD CAUSTIC POUCH

SECTION 5: HEALTH HAZARDS

SHA PERMISSIBLE EXPOSURE LIMIT: None
ACGIH THRESHOLD LIMIT VALUE: None

EXPOSURE LIMIT USED: None

SYMPTOMS OF EXPOSURE:

. ACUTE OVEREXPOSURE:
   Contains sodium hydroxide (LYE), may cause burns of skin, eyes, and mucous membranes. Harmful if swallowed.

. CHRONIC OVEREXPOSURE:
   None.

EDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known.

PRIMARY ROUTE(S) OF EXPOSURE: Dermal

ERGENCY AND FIRST AID PROCEDURE:

IF IN EYES: Rinse with water. Remove contact lenses, if any. Flush eyes with water for 15 minutes and get proper medical attention.

IF SWALLOWED: Rinse mouth with water immediately. Drink large quantities of water or milk. Do NOT drink vinegar, citrus juices, or other acidic fluids. DO NOT INDUCE VOMITING. Get prompt medical attention. (Physician or Medical Department.)

IF ON SKIN: Flood with water and wash thoroughly with soap and water. Remove contaminated clothing or jewelry. Continue to flush skin for 10 to 15 minutes with water.

YGIENIC PRACTICES:
   Wear rubber or latex gloves and safety glasses. Avoid contact with skin, eyes, mucous membranes, or clothing.

HEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: None

SECTION 6: SPECIAL PROTECTION INFORMATION

ESPIRATORY PROTECTION: None

E NTILATION: Use in area with adequate ventilation.

ORK PRACTICES: After use, wash skin where material may have been in contact.

YE PROTECTION: Safety Glasses, Face Shield PROTECTIVE GLOVES: Rubber or latex gloves

HER PROTECTIVE CLOTHING OR EQUIPMENT: None

SECTION 7: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

RECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
   See sections four (4) and five (5).

TEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
   INDIVIDUAL POUCH LEAKAGE: Neutralize with vinegar or dilute acid.
   MAJOR (CASE OR PALLET) SPILLS: Treat as a strong base. Neutralize with dilute acid and copious amounts of water.

STE DISPOSAL METHODS:
   Dispose of in accordance with local, state, and federal regulations.
   Solution should be neutralized with dilute acid and large amounts of water.
   WHEN NEUTRALIZING: Avoid concentrated acids so that excess heat is not generated.
SECTION 8: ADDITIONAL INFORMATION

PRODUCT INFORMATION: (708) 458-6100 (Non-Emergency)
(8:00 a.m. - 4:00 p.m. Central Standard Time - Monday through Friday)

DATE PREPARED: 9/10/90  SUPERCEDES PREVIOUS MSDS DATED: New Issue

SIGNATURE OF PERSON RESPONSIBLE FOR PREPARATION: [Signature]

The opinions expressed herein are those of qualified experts within Miles Inc. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and these opinions and the conditions of use of the product are not within the control of Miles Inc., it is the user's obligation to determine the conditions of safe use of the product.