IDENTITY: AMBEX 111S

SECTION I - Manufacturer

Manufactured by: Ambion Corporation
Emergency Telephone Number: (203) 723-1437
if no answer, P-ChEM 1-800-424-5571 (24 hr’s.)

Address: 37 Naugatuck Drive, Naugatuck, CT 06770
Date Prepared: 12 Aug 2008

SECTION II - Hazardous Ingredients/Identity Information

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>C.A.S. No.</th>
<th>Weight Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>1310-73-2</td>
<td>45</td>
</tr>
</tbody>
</table>

N.F.P.A. Hazard Rating: Health: 3, Fire: 0, Reactivity: 0, Specific: ALK/COR
Debt. of Transportation Information:
Shipping Name: Corrosive solid, basic, inorganic, N.O.S. (Sodium Hydroxide)
Hazardous Classification: 8, UN3262, PG II,
DOT Emergency Response Guide No.: 60

SECTION III - Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Melting Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>35%</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Appearance and Odor: White powder; No odor.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): None - TOC, TCC, COC
Flammable Limits: Lower: N/A Upper: N/A
Extinguishing Media: Water, Dry chemical, CO2 or Foam.
Special Fire Fighting Procedures: Firefighters should wear NIOSH/MSHA approved, self-contained breathing apparatus and protective clothing.
Unusual Fire and Explosion Hazards: None Known.
Hazardous Polymerization: Will NOT occur.
Section V - Reactivity Data

Stability: Stable  Conditions to Avoid: N/A
Incompatibility (Materials to Avoid): May react violently with water and acids. Mixing with water generates a considerable amount of heat. Always add slowly with stirring to water to prevent spattering. Reacts slowly with aluminum, tin and zinc. Corrosive to brass.
Hazardous Decomposition or Byproducts: None
Hazardous Polymerization: Will NOT Occur.

Section VI - Health Hazard Data

Route(s) of Exposure: Inhalation: Possibly  Skin: Possibly  Ingestion: Unlikely
Possible Health Hazards (Acute and Chronic):
Acute:  
Inhalation: Dust and mists will cause damage of the upper respiratory tract and to lungs depending on the severity of the exposure. Effects can range from mild irritation of mucous membranes to severe pneumonitis and destruction of lung tissue.
Skin Contact: Corrosive action causes burns and can cause deep ulceration with subsequent scarring. Prolonged contact destroys tissue. Dusts or mists from solutions can cause irritant dermatitis.
Ingestion: Can cause very serious damage to the mucous membranes or other tissue with which contact is made and may be fatal.
Eye contact: Causes severe burns. Small quantities can result in permanent damage and loss of vision.
Chronic: The effects of long term, low level exposure to this product have not been determined. Safe handling of this material on a long term basis should emphasize the avoidance of all effects from repetitive acute exposures.

First Aid:
Eyes: It is imperative to irrigate immediately with plenty of water for at least 15 minutes being sure to wash under eyelids. Then get immediate medical attention.
Skin: Remove contaminated clothing while washing affected area with plenty of flowing water. If skin feels slippery continue washing. For all but minor exposures get medical attention.
Inhalation: Remove to fresh air. If not breathing, give mouth to mouth resuscitation. If breathing is difficult, give oxygen. Call a physician.
Ingestion: Do not induce vomiting. Give large amounts of water or acidic beverages and immediately transport to medical facility. If vomiting occurs, administer more water. If unconscious or in convulsions, take immediately to a hospital. Do not attempt to induce vomiting or give anything by mouth to an unconscious person.
Medical Conditions Aggravated by Exposure: None known.
AMBEX 111S

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: Take steps to prevent eye or skin contact. Contain spill to minimize contaminated area and facilitate salvage or disposal. To clean up spill, use shovels, brooms or vacuums. Flush spill area with water. Dilute acid (preferably acetic acid) may be used to neutralize the final traces after flushing. If dissolved in water avoid run off into storm sewers and courses leading outside. All clean up and disposal should be carried out in accordance with federal, state and local regulations.

Waste Disposal Method: This product is a hazardous material and should be disposed by a federally approved hazardous waste disposal facility.

Precautions to Be Taken in Handling or Storing: Handle with reasonable care. Avoid breathing dusts. Avoid skin and eye contact. Keep containers tightly closed. Store in cool dry place. Use product with ventilation.

Other Precautions: None

Section VIII - Control Measures

Exposure Guidelines:
- Ingredient: Sodium Hydroxide
- Common Names: Caustic Soda, Lye
- OSHA PEL: 2 mg./cub. m.  ACGIH TLV: 2 mg./cub. m.
- NIOSH TLV: 2 mg./cub. m., 15 min. ceiling

Hazardous (per SARA Title III): Yes  Reason: Acute Health
Reporting Required: Yes  TSCA Inventory: Yes
NTP Carcinogen: Not Listed  IARC Carcinogen: Not Listed

Ventilation: Control airborne concentrations below the exposure guideline. Use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

Respiratory Protection: Atmospheric levels should be maintained below exposure guideline. When respiratory protection is require for certain operations, use an approved air-purifying respirator. For emergency and other conditions where the exposure guideline may be greatly exceeded, use an approved positive pressure self-contained breathing apparatus. In Confined or poorly ventilated areas, use an approved positive pressure self-contained breathing apparatus.

Skin Protection: Rubber and/or PVC protective clothing should be worn to the extent required to prevent skin contact.

Eye Protection: Use tight fitting chemical workers goggles and a face shield.

Other Protective Clothing and Equipment: A source of clean water should be available in the work area for flushing eyes and skin.

Work/Hygienic Practices: Keep containers covered. Avoid breathing and contact with sprays and mists. Avoid skin contact.