SECTION 1 - IDENTIFICATION

PRODUCT (TRADE) NAME: Ex90-cal
CHEMICAL FAMILY: Sodium Chloride and Lithium Chloride
TRADE NAME SYNONYMS: Sodium Chloride: Common Salt, Halite

DATE PREPARED: 11/10/95
SUPPLIER: OMEGA ENGINEERING, INC.
P.O. BOX 4047
STAMFORD, CT 06907

TELEPHONE: (203) 359-1660
SHIPPING NAME (UN NUMBER PER TRANSPORTATION AUTHORITY): N/A
EMERGENCY RESPONSE TELEPHONE NUMBERS: (800) 255-3924 (813) 979-0626

SECTION 2 - INGREDIENTS

CAS Number
Sodium Chloride (NaCl) 7647-14-5
Lithium Chloride (LiCl) 7447-41-8

** SECTION NOTES **
These product contains no toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and the Community Right to Know Act of 1986 and of CFR 372:

SECTION 3 - PHYSICAL DATA

BOILING POINT ('F): NaCl - 2575; LiCl - 2480
MELTING POINT ('F): NaCl - 1473; LiCl - 1135
SPECIFIC GRAVITY (H2O = 1): NaCl - 2.17; LiCl - 2.07
VAPOR PRESSURE (mm Hg): N/A
PERCENT VOLATILE BY VOLUME (%): N/A
VAPOR DENSITY (Air = 1): N/A
EVAPORATION RATE (Ethyl ether = 1): N/A
SOLUBILITY IN WATER: Water soluble
MATERIAL AT NORMAL CONDITION: Solid
EXPANSION RATIO (LIQUID TO GAS): N/A
APPEARANCE AND ODOR: White crystals; odorless

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A
FLASH POINT (METHOD USED): N/A
FLAMMABILITY LIMITS IN AIR (% BY VOL): LOWER: N/A; UPPER: N/A
EXTINGUISHING MEDIA: Use appropriate equipment to fight surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES: Use appropriate measures to fight surrounding fire.
UNUSUAL FIRE AND EXPLOSION HAZARD: None

SECTION 5 - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: NaCl - N/A
LiCl - ORAL-RAT 526 mg/kg
IPR-RAT 514 mg/kg
SCU-RAT 499 mg/kg

UNUSUAL CHRONIC TOXICITY: N/A
CARCINOGENICITY: N/A
ROUTES OF EXPOSURE: Inhalation, ingestion, skin contact, eye contact.

EFFECTS OF OVEREXPOSURE: NaCl - Inhalation can cause irritation of the upper respiratory tract. Ingestion of large quantities may cause gastrointestinal bleeding.
LiCl - Prolonged contact may cause skin sensitization. Ingestion may cause nervous system depression.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NaCl - High blood pressure

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: Flush with water for 15 minutes.
SKIN CONTACT: Wash with soap and water.
INHALATION: Move exposed person to fresh air.
INGESTION: NaCl - Administer large quantities of water.
LiCl - Immediately induce vomiting; call a physician.
SECTION 6 - REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: N/A

INCOMPATIBILITY (MATERIALS TO AVOID): NaCl - Strong oxidizing agents, lithium, inter-halogen (e.g., bromine trifluoride), iron, cement. LiCl - Bromine trifluoride, bromine trichloride.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride.

HAZARDOUS POLYMERIZATION: Does not occur.

CONDITIONS TO AVOID: N/A

SECTION 7 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: NaCl - Sweep up solids and wash with water. LiCl - Wear self-contained breathing apparatus and full protective clothing. With a clean shovel carefully place material in a clean, dry container and cover. Remove from area and flush spill area with water.

WASTE DISPOSAL METHOD: Disposal to drain (NaCl, LiCl) or trashcan (NaCl). Dispose in accordance with all applicable Federal, state, and local regulations.

SECTION 8 - SPECIAL PROTECTIVE INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): If airborne concentration is high, use appropriate regulator or dust mask.

VENTILATION: Use adequate general or local exhaust ventilation to keep fume or dust levels as low as possible.

PROTECTIVE GLOVES: Proper gloves recommended.

EYE PROTECTION: Wear goggles while handling, especially if dust is present.

OTHER PROTECTIVE EQUIPMENT: N/A

SECTION 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container tightly closed. Suitable for any general chemical storage area.

VALVE CONNECTION: N/A

OTHER PRECAUTIONS: N/A

**SECTION NOTES**

HMIS RATING:

<table>
<thead>
<tr>
<th></th>
<th>NaCl</th>
<th>LiCl</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH</td>
<td>Slight</td>
<td>Moderate</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>CONTACT</td>
<td>Slight</td>
<td>None</td>
</tr>
<tr>
<td>REACTIVITY</td>
<td>None</td>
<td>Moderate</td>
</tr>
</tbody>
</table>

The information contained herein is based upon data considered true and accurate. However, OMEGA makes no warranties, express or implied, as to the accuracy or adequacy of the information contained herein or the results to be obtained from the use thereof. This information is offered solely for the user's consideration, investigation, and verification. Since the use and conditions of use of this information and the material described herein are not within the control of OMEGA, OMEGA assumes no responsibility for injury to the user or third persons. The material described herein is sold only pursuant to OMEGA's Terms and Conditions of Sale, including those limiting warranties and remedies contained therein, it is the responsibility of the user to determine whether any use of this data and information is in accordance with the applicable Federal, state, or local laws and regulations.

© COPYRIGHT 1995 OMEGA ENGINEERING, INC. ALL RIGHTS RESERVED.