**SECTION I – GENERAL INFORMATION**

<table>
<thead>
<tr>
<th>TRADE NAME</th>
<th>CARBARYL 4L</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEMICAL NAME</td>
<td>1-Napthyl N-methylcarbamate (Carbaryl)</td>
</tr>
<tr>
<td>CHEMICAL FAMILY</td>
<td>Carbamates (Insecticide)</td>
</tr>
<tr>
<td>EPA REG. NO.</td>
<td>19713-49</td>
</tr>
<tr>
<td>SIGNAL WORD</td>
<td>CAUTION</td>
</tr>
</tbody>
</table>

**SECTION II – INGREDIENTS**

<table>
<thead>
<tr>
<th>NAME</th>
<th>CAS NO.</th>
<th>% (by wt.)</th>
<th>TLV</th>
<th>CLASS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbaryl</td>
<td>63-25-2</td>
<td>43.40</td>
<td>5 mg/m3</td>
<td>H</td>
</tr>
<tr>
<td>Inerts</td>
<td>N/A</td>
<td>56.60</td>
<td>N/A</td>
<td>NH</td>
</tr>
</tbody>
</table>

**SECTION III – PHYSICAL DATA**

- **Boiling Point**: 208°F-212°F
- **Specific Gravity**: 1.11 @ 20°C
- **Vapor Pressure**: 17.8 mmHg @ 20°C
- **Vapor Density**: 0.62 @ 20°C
- **pH**: 4.0-5.0
- **Solubility in Water**: Dispersible
- **Appearance/Odor**: White liquid with mild odor

**SECTION IV – FIRE & EXPLOSION DATA**

- **Flash Point**: >200°F
- **Extinguishing Media**: Use CO₂, dry chemical for small fires. Use alcohol foam, polymer foam, or water spray for large fires.
- **Fire Fighting Procedures**: Self-contained breathing apparatus is required. Consult physician if heavily exposed. Prevent water runoff if possible.

**SECTION V – REACTIVITY DATA**

- **Stability**: Stable under normal conditions
- **Conditions to Avoid**: Extreme temperatures and open flame
- **Incompatibility**: Avoid contamination with strong acids and bases
- **Hazardous Decomposition Products**: Thermal decomposition or burning may produce oxides of nitrogen, oxides of carbon, and methyl isocyanate (trace amounts, no adverse health effects expected).
- **Hazardous Polymerization**: Will not occur.

**SECTION VI – HEALTH HAZARD DATA**

- **Carcinogenicity**: N/A
- **Toxicity Data**: Oral LD₅₀ (Rat) = 590 mg/kg
- **Dermal LD₅₀ (Rabbit) = >2,000 mg/kg
- **TLV**: 5 mg/m³
- **N.F.P.A.**: Health: 3, Fire: 0, Reactivity: 0 (Rating: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Insignificant)
- **Effects of Overexposure**: Causes headaches, nausea, vomiting, sweating, abdominal cramps and pinpoint pupils.

**SECTION VII – EMERGENCY PROCEDURES**

- **If Swallowed**: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person or convulsing person.
- **If in Eyes**: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- **If on Skin or Clothing**: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes.
- **If Inhaled**: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.

**SECTION VIII – SPILL OR LEAK PROCEDURES**

Steps to be taken in case of material leak or spill:

- Dilute spill using absorbent or impervious materials such as earth, sand, clay to contain spill. Cover with sweeping compound and sweep up with as little dusting as possible. Mop area with water. Do not flush material to public sewer systems. Assure that protective gear is worn.
- **Waste Disposal Method**: Dispose of in accordance with Local, State, and Federal Regulations.
SECTION IX – SPECIAL PROTECTION INFORMATION

Respiratory Protection  NIOSH approved respirator
Ventilation  General recommended
Protective Gloves  Chemical-resistant
Eye Protection  Chemical goggles
Other  Long-sleeved shirt and long pants, shoes plus socks and chemical-resistant headgear for overhead exposure.

SECTION X – SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling & Storage
KEEP OUT OF REACH OF CHILDREN. FOLLOW LABEL DIRECTIONS CAREFULLY.
Store in original container only in cool, dry area. Do not contaminate water, food, or feed. Avoid contact with skin and eyes.
D.O.T. Description  Environmentally Hazardous Substance, Liquid, N.O.S., (Carbaryl), 9, UN-3082, PG-III, Marine Pollutant
NOTE:  2 x 2.5 G Case Not Regulated
Freight Description  Agricultural Insecticide, Liquid, N.O.S.
Reportable Quantity  100 lbs.
E.R.G. Guide Sheet  171

The information presented herein for consideration, while not guaranteed, is true and accurate to the best of our knowledge. No warranty, or guaranty is expressed or implied regarding the accuracy or reliability of such information and we shall not be liable for any loss or consequential damages arising out of the use thereof.

Date Prepared:  6-9-04