**SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Nitric Acid 9 M - 15.8 M (Concentrated)**

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261
Chemtrec Emergency Phone Number: (800) 424-10054

**SECTION 2 — HAZARDS IDENTIFICATION**

Hazard class: Oxidizing liquids (Category 3). May intensify fire; oxidizer (H272). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).

Hazard class: Corrosive to metals (Category 1). May be corrosive to metals (H290).

Hazard class: Skin corrosion or irritation (Category 1). Causes severe skin burns and eye damage (H314). Do not breathe mist, vapors or spray (P260).

Avoid contact with acetic acid and readily oxidized substances.

Industrial exposure to nitric acid vapors and mists is listed as a known human carcinogen by IARC (IARC-1).

**SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS**

<table>
<thead>
<tr>
<th>Component Name</th>
<th>CAS Number</th>
<th>Formula</th>
<th>Formula Weight</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitric acid</td>
<td>7697-37-2</td>
<td>HNO₃</td>
<td>63.01</td>
<td>40-70%</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>H₂O</td>
<td>18.00</td>
<td>30-60%</td>
</tr>
<tr>
<td>Concentrate is 70% (15.8 M)</td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

**SECTION 4 — FIRST AID MEASURES**

Call a POISON CENTER or physician if you feel unwell.

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340).

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338).

**If on skin or hair:** Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353).

**If swallowed:** Rinse mouth. Do NOT induce vomiting (P301+P330+P331).

**SECTION 5 — FIRE FIGHTING MEASURES**

Nonflammable, noncombustible solution, but a strong oxidizer.

Dangerous fire risk in contact with acetic acid, combustible or organic materials.

When heated to decomposition, may emit toxic fumes.

In case of fire: Use a tri-class dry chemical fire extinguisher. Take any precautions to avoid mixing with combustibles (P221+P370+P378).

**NFPA Code**

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Fire Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-4</td>
<td>F-0</td>
</tr>
<tr>
<td></td>
<td>R-0</td>
</tr>
<tr>
<td></td>
<td>OX</td>
</tr>
</tbody>
</table>

**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

Remove all ignition sources and ventilate area. Contain the spill with sand or other inert absorbent material, neutralize with sodium bicarbonate or calcium hydroxide, and deposit in a sealed bag or container. See Sections 8 and 13 for further information.