MATERIAL SAFETY DATA SHEET

SECTION I. NAME
Product: Perchloric Acid
Name: N/A
Formula: N/A
Unit: N/A
CAS #: N/A

SECTION II. PHYSICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting Point (°F)</td>
<td>N/A</td>
</tr>
<tr>
<td>Boiling Point (°F)</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>N/A</td>
</tr>
<tr>
<td>Specific Gravity (d25/4°C)</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>N/A</td>
</tr>
</tbody>
</table>

SECTION III. FIRE AND EXPLOSION HAZARD DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point</td>
<td>45°F (13°C)</td>
</tr>
<tr>
<td>Flammable Limits in Air</td>
<td>Lower: N/A, Upper: N/A</td>
</tr>
</tbody>
</table>

Special Firefighting Procedures:

In the event of a fire, use NIOSH/MSHA-approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS

None known.

DOT: NORMALLY REGULATED

Approved by the US Department of Labor "basically similar" in title 49CFR173.8

SECTION V. HEALTH HAZARD DATA

Threshold Limit Value

Not established by ACGIH 2008.

Toxicity data: (R34) Acute Oral LD50: >1800 mg/kg.

Effects of Overexposure

Specific data is not available. Exercise appropriate precautions to minimize potential hazards. Target organs: Skin and respiratory system.

Emergency and First Aid Procedures:

INGESTION: Call physician or Poison Control Center immediately. Do not induce vomiting. Provide supportive care. Skin: Wash thoroughly with soap and water. If irritation occurs, get medical attention. RINSE, RINSE, RINSE with大量 water. If breathing is difficult, give oxygen. Get medical attention.

SECTION VI. REACTIVITY DATA

Stability: Unreactive

Incompatibility (Materials to Avoid): None known.

Hazardous Decomposition Products: May produce toxic fumes of oxides, phosphorus monoxide and phosphorus trioxide.

Hazardous Polymerization: Conditions to Avoid: May Occur. Will not Occur.

SECTION VII. SPILL OR LEAK PROCEDURES

- Use sand or a suitable absorbent to contain the spillage and to prevent further contamination. Dispose of in an approved landfill or incinerator.

Waste Disposal Method:

None established for normal laboratory handling. Dispose of in an approved landfill or incinerator.

SECTION VIII. SPECIAL PROTECTION INFORMATION

Respiratory Protection (Effective Date):

Use NIOSH/MSHA-approved respirator.

Ventilation:

Local Exhaust: No. Special: No.

SECTION IX. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storage:

None established. Wash thoroughly after handling. Protect from heat and closed in a cool, dry place. Do not in contact with reducing agents. Dispose of in an approved landfill or incinerator.

Other Precautions:

None established. Wash hands thoroughly after handling. Dispose of in an approved landfill or incinerator.

Revision No. 2

Approved: James J. Driscoll

PRECISION LABS

ALDEN CORP

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