**I. Basic Information:**

- **Manufacturer:** RADIATOR SPECIALTY COMPANY
- **Address:** 600 RADIATOR ROAD
- **City, ST Zip:** INDIAN TRAIL, NC 28079
- **Emergency Contact:** Rocky Mountain Poison Control Center
- **Emergency Telephone Number:** 303-623-5716
- **Contact:** Robert Geer
- **Information Telephone Number:** 704-688-3430
- **Last Update:** 01/10/2005
- **Chemical State:** Liquid
- **Chemical Type:** Pure

**II. Ingredients:**

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Chemical Name</th>
<th>% Range</th>
<th>EHS</th>
<th>IARC</th>
<th>SARA 313</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742467</td>
<td>Petroleum Distillate, Hydrotreated Middle</td>
<td>5 mg/m3 (m 5 mg/m3 (m</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>72623848</td>
<td>Severely Hydrotreated Lubricating Oil</td>
<td>5 mg/m3 (m N/E</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>72623871</td>
<td>Severely Hydrotreated Paraffinic Oil</td>
<td>5 mg/m3 (m 5 mg/m3 (m</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**III. Hazardous Identification:**

- **Hazard Category:** Acute
- **Hazardous Identification Information:**
  - Danger: Harmful or Fatal if Swallowed.

**IV. First Aid Measures:**

- **Route(s) of Entry:** Absorption, Inhalation, and Ingestion.

- **Health Hazards (Acute and Chronic):**
  - See signs and symptoms

- **Signs and Symptoms:**
  - **Eye Contact:** This product is minimally irritating to the eyes upon contact.
  - **Skin Contact:** Prolonged contact may cause dermatitis.
  - **Inhalation:** May be irritating to respiratory tract when exposed to oil mist.
  - **Ingestion:** This product has laxative properties and may result in abdominal cramps and diarrhea. Product is non-toxic unless aspiration occurs. Aspiration of vomitus into the lungs can be HARMFUL OR FATAL.

- **Medical Conditions Generally Aggravated by Exposure:** None known
**Product Name:** LIQUID WRENCH SUPER OIL

**MSDS No.:** L1004

**Emergency and First Aid Procedures:**

- **Eye Contact:** Flush eyes with clean water for 15 minutes while lifting eyelids. Get prompt medical attention.
- **Skin Contact:** Wash with soap and water thoroughly. If adverse effects persist, get prompt medical attention. Launder contaminated clothing before reuse.
- **Inhalation:** Remove to fresh air. If breathing becomes difficult get prompt medical attention.
- **Ingestion:** DO NOT INDUCE VOMITING! Call Poison Control Center, physician, or hospital emergency room immediately.

**Other Health Warnings:**

Vomiting and subsequent aspiration into the lungs may lead to chemical pneumonia and pulmonary edema which is a potentially fatal condition.

**V. Fire Fighting Measures:**

<table>
<thead>
<tr>
<th>Flash Point</th>
<th>Lower Explosive Limit</th>
<th>Upper Explosive Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>335°F</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

- **F.P. Method:** COC
- **Fire Extinguishing Media:** Water Fog, Foam, Carbon Dioxide, Dry Chemical

**Special Fire Fighting Procedures:**

- Wear self-contained positive pressure breathing apparatus and protective clothes. Cool containers with a water fog. Do not use forced water stream as this could cause the fire to spread.

**Unusual Fire and Explosion:**

This material will burn if involved in a fire. During a fire dense smoke may be generated while burning. Carbon dioxide, carbon monoxide, and other oxides may be generated as products of combustion.

**VI. Accidental Release Measures:**

**Steps to be Taken in Case Material is Released or Spilled:**

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Dike or contain spill and absorb with inert materials (sand, sawdust, absorbent sweeping compounds, rags, etc). Using a scoop, place contaminated material into an approved chemical waste container. Where possible, vacuum spilled liquid using an explosion proof vacuum to recover material. Prevent run-off to sewers, streams, or other bodies of water. If run-off occurs, notify proper authorities as required that a spill has occurred.

**VII. Handling and Storage:**

**Precautions to be Taken:**

- Handling: Use with adequate ventilation and proper protective equipment.
- Avoid breathing product vapors or mist. Do not take internally. Wash thoroughly after handling this material.

**Other Precautions:**

Keep container closed tightly when not in use. Store in a cool dry place with adequate ventilation away from heat, flames, and sources of ignition.

**VIII. Exposure Controls/Personal Protection:**

**Ventilation Requirements:**

See Section 2 for applicable exposure limits. Maintain adequate ventilation.

Avoid breathing vapors or mist. In restricted areas, use approved chemical filters designed to remove vapor. A self-contained breathing apparatus is required for vapor concentrations above TLV limit.

**Personal Protective Equipment:**

See Section 2 for applicable exposure limits. For prolonged exposure wear protective safety glasses and latex gloves.
MSDS - Material Safety Data Sheet

Product Name: LIQUID WRENCH SUPER OIL

MSDS No.: L1004

IX. Physical and Chemical Properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>599°F</td>
</tr>
<tr>
<td>Evaporation Rate (Butyl Acetate = 1)</td>
<td>N/D</td>
</tr>
<tr>
<td>Specific Gravity (H2O = 1)</td>
<td>0.86300</td>
</tr>
<tr>
<td>Solubility In Water</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Melting Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg.)</td>
<td>N/D</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Water white liquid, odorless</td>
</tr>
<tr>
<td>Other Information</td>
<td>N/D</td>
</tr>
</tbody>
</table>

X. Stability and Reactivity:

Stability: Stable

Incompatibility (Materials to Avoid):

Strong oxidizers, acids, peroxides, and chlorine.

Decomposition/By Products:

Carbon monoxide, carbon dioxide, and other oxides.

Hazardous Polymerization:

Will not occur.

XI. Toxicological Information:

This product is not carcinogenic according to the OSHA Hazard Communication Standard.

XII. Ecological Information:

N/D

XIII. Disposal Considerations:

DISPOSAL: This container may be recycled in a recycling centers when empty. Before offering for recycling, empty the can or bottle by using the product according to the label. If recycling is not available, wrap the container and discard in the trash. Dispose of unused product in accordance with all local, state government and federal laws and regulations.

XIV. Transport Information:

DOT Shipping Name: Not DOT regulated.
DOT Hazard Class: None

Vessel (IMDG): Not regulated
Air (ICAO): Not regulated

XV. Regulatory Information:

See Section 2 for SARA Reportable Chemicals.

USA TSCA: All components of this material are listed on the US TSCA Inventory.

XVI. Other Information:

Do not used in confined area without proper ventilation when exposed to oil mist. Contact lenses may cause further damage in case of splash into eye. KEEP AWAY FROM CHILDREN AND ANIMALS!

N/E: Not Established
N/D: Not Determined
N/A: Not Applicable
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