1. Chemical Product and Company Identification

Trade Name of this Product  Isopropyl Rubbing Alcohol 91% USP
MSDS ID  SF10062
Manufacturer  Lawson Products, Inc.
1666 East Touhy Avenue
Des Plaines, IL 60018
Contact Name  Corporate Compliance Team
Phone Number  (847) 827-9666
Emergency Phone  (888) 426-4851
Revision Date  10/03/2003

2. Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Weight %</th>
<th>ACGIH TLV</th>
<th>PEL</th>
<th>STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOPROPANOL</td>
<td>67-63-0</td>
<td>91 %</td>
<td>400</td>
<td>400.0</td>
<td>500.0</td>
</tr>
<tr>
<td>WATER</td>
<td>7732-18-5</td>
<td>9 %</td>
<td>ND</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

3. Hazard Identification

Route(s) of Entry
Skin. Inhalation. Ingestion. Eyes.

Eyes
Irritating, and may injure eye tissue if not removed promptly.

Skin
Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

Inhalation
Exposure to vapors may cause the following effects: Headaches. Dizziness. Central
nervous system effects. Pulmonary edema. Slightly irritating to eyes and respiratory tract. Gas, vapor, mist, or dust concentrations may be harmful if inhaled. High concentrations may be fatal.

**Ingestion**
May cause chemical pneumonitis if aspirated into lungs. Single dose toxicity is low.

**Target Organ(s) Affected**
Eyes. Respiratory tract.

### 4. First Aid Information

**Skin**
Flush skin with water and follow by washing skin with soap and water. Remove contaminated clothing and footwear.

**Inhalation**
Remove from exposure. Administer artificial respiration if not breathing. Keep warm and quiet. Get medical attention immediately.

**Ingestion**
Do not induce vomiting. Keep calm. Contact physician or poison control center immediately.

**Eye**
Flush with plenty of water for at least 15 minutes. Seek medical attention immediately.

### 5. Fire Fighting Measures

<table>
<thead>
<tr>
<th><strong>Flash Point</strong></th>
<th>57°F</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FP Method</strong></td>
<td>TCC</td>
</tr>
<tr>
<td><strong>LEL</strong></td>
<td>2</td>
</tr>
<tr>
<td><strong>UEL</strong></td>
<td>12</td>
</tr>
</tbody>
</table>

**Extinguishing Media**
Water spray. Alcohol foam. Dry chemical. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of.

**Fire and Explosion Hazards**
Eliminate all sources of ignition.

**Flammable Properties**
Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flashpoint.

**Hazardous Decomposition Products**
None known.
6. Accidental Release Measures

Small Spill
Evacuate area of unprotected and unnecessary personnel. Shut off source of leak if safe to do so. Eliminate all sources of ignition. Absorb with fire resistant absorbent. Collect and contain for disposal. Notify appropriate state and local agencies. Dispose of absorbent in accordance with local, state and federal regulations.

Large Spill
Follow procedures for small spill. Contain spill by diking or other methods. Remove with vacuum trucks or pump to storage vessel. Do not release into sewers or waterways.

7. Handling and Storage

Handling
Avoid breathing vapors. Ground and bond containers when transferring material. Do not get in eyes, on skin or clothing. Thoroughly wash hands and exposed skin after handling. Remove contaminated clothing and wash before reuse. Empty containers retain product residue (liquid and/or vapor) and can be dangerous.

Storage
Avoid extreme temperature variations. Store in a well ventilated area.

8. Exposure Controls and Personal Protection

Eye Protection
ANSI approved safety glasses or splash goggles with face shield are recommended.

Protective Gloves
The following glove(s) are recommended to prevent prolonged or repeated contact: Chemical resistant gloves.

Other Protective Clothing
Where contact is likely, wear chemical-resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

Ventilation
Provide mechanical exhaust ventilation. Use explosion-proof ventilation equipment.

Respiratory Protection
Wear a NIOSH approved respirator with chemical/mechanical filters for chemicals listed in Section 2 when ventilation is restricted.

OSHA Regulation:
A TWA of 400 ppm (980 mg/m²) and a STEL of 500 ppm (1225 mg/m²) for Isopropyl Alcohol.

ACGIH recommends:
A TWA of 400 ppm (983 mg/m²) and a STEL of 500 ppm (1230 mg/m²) for Isopropyl Alcohol.
9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.817</td>
</tr>
<tr>
<td>Color/Appearance</td>
<td>Clear colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>N/A</td>
</tr>
<tr>
<td>pH</td>
<td>N/A</td>
</tr>
<tr>
<td>Boiling/Cond. Point</td>
<td>179°F</td>
</tr>
<tr>
<td>Melting/Freezing Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility</td>
<td>100% at 68°F</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>1.7</td>
</tr>
<tr>
<td>VOC %</td>
<td>N/A</td>
</tr>
<tr>
<td>Percent Volatile</td>
<td>N/A</td>
</tr>
<tr>
<td>Viscosity</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>N/A</td>
</tr>
</tbody>
</table>

10. Stability and Reactivity

- **Stability**
  Stable.

- **Hazardous Polymerization**
  Will not occur.

- **Incompatibility**

- **Hazardous Decomposition Products**
  None known.

11. Toxicological Information

- **Carcinogenicity**
  None of the components are listed by NTP, IARC, or OSHA as carcinogenic.

12. Ecological Information

- **Ecological Information**
  No information available.

13. Disposal Considerations

- **Waste Disposal Method**
  Do not flush to sewer system. Dispose in accordance with federal, state, and local regulations.

14. Transportation Information

- **ID Number**
  UN1993
Proper Shipping Name
Flammable Liquid, N.O.S. (Isopropanol)

DOT Class
3 (Flammable Liquid)

15. Regulatory Information

CPR Certification
This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations.

TSCA Certification
All chemicals in this product are listed, or are exempt from listing on the TSCA inventory.

S.A.R.A. Title III, Section 313
This product contains the following chemicals subject to reporting:

Isopropyl Alcohol (67-63-0)

16. Other Information

Disclaimer
The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.