Chemical Name: Isopropyl Alcohol 91%

Manufacturer: HUMCO

Container size: 16oz.

Location: VLA

Disposal: Place empty container in trash. Give partial or full container to the safety officer.
Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

IDENTITY (As Used on Label and List)

ISOPROPYL ALCOHOL
91%

Note: Blank spaces are not permitted. If any item is not
applicable, or no information is available, the space must be
marked to indicate that.

Section I

<table>
<thead>
<tr>
<th>Manufacturer’s Name</th>
<th>Emergency Telephone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROX LABORATORIES</td>
<td>800-255-3924</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Address (Number, Street, City, State, and ZIP Code)</th>
<th>Telephone Number for Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>825-B TOLLGATE ROAD</td>
<td>847-468-9400</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date Revised/Reviewed</th>
<th>Signature of Preparer (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/09/08</td>
<td></td>
</tr>
</tbody>
</table>

Section II - Hazard Ingredients/Identity Information

<table>
<thead>
<tr>
<th>Hazardous Components (Specific Chemical Identity; Common Name(s))</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits Recommended</th>
<th>% (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOPROPYL ALCOHOL (CAS #67-63-0)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ACUTE HEALTH HAZARD: 2
FIRE HAZARD: 3
REACTIVITY: 0

PEL/TWA
8 Hr. 400 ppm (OSHA/ACGIH)
STEL 500 ppm (OSHA/ACGIH)
REL TWA 10 Hr. 400 ppm (NIOSH)
15 min. ceiling 800 ppm (NIOSH)

Section III - Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Boiling Point</th>
<th>Specific Gravity (H₂O = 1)</th>
<th>Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>0.790 @ 20°C/20°C</td>
<td></td>
</tr>
</tbody>
</table>
### Section IV - Fire and Explosion Hazard Data

<table>
<thead>
<tr>
<th>Flash Point (Method Used)</th>
<th>Flammable Limits @ 77°F</th>
<th>LEL</th>
<th>UEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approx. 57°F - TCC</td>
<td></td>
<td>2.0</td>
<td>12.0</td>
</tr>
</tbody>
</table>

**Extinguishing Media**  
CARBON DIOXIDE, DRY CHEMICAL OR ALCOHOL FOAM FOG.

**Special Fire Fighting Procedures**  
DILUTION OF BURNING LIQUID WITH WATER WILL AFFECT EXTINGUISHMENT.

**Unusual Fire and Explosion Hazards**  
NONE.

### Section V - Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid AVOID HEAT, SPARKS AND OPEN FLAME.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Stable</td>
<td>X</td>
</tr>
</tbody>
</table>

**Incompatibility (Materials to Avoid)**  
ANHYDRIDE, ISOCYANATE, MONOMER AND ORGANO-METALLIC.

**Hazardous Decomposition or Byproducts**  
BURNING MAY PRODUCE CARBON MONOXIDE AND CARBON DIOXIDE CONTAMINATION.

<table>
<thead>
<tr>
<th>Hazardous Polymerization</th>
<th>May Occur</th>
<th>Conditions to Avoid</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Will Not Occur</td>
<td>X</td>
</tr>
</tbody>
</table>

### Section VI - Health Hazard Data

**Route(s) of Entry:**  
Inhalation? YES  
Skin? NEGLIGIBLE  
Ingestion? YES  
Eyes? YES

**Health Hazards (Acute and Chronic)**  
GENERALLY USED AS A RUBDOWN. VAPOR IRRITATES EYES. HIGH CONCENTRATION OF VAPOR CAN IRRITATE RESPIRATORY TRACT, IS ANESTHETIC AND MAY CAUSE CNS
DEPRESSION.

Carcinogenicity: NOT A CARCINOGEN

<table>
<thead>
<tr>
<th>NTP?</th>
<th>IARC Monographs?</th>
<th>OSHA Regulated?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Y</td>
</tr>
</tbody>
</table>

Signs and Symptoms of Exposure
GIDDINESS, HEADACHE, DIZZINESS AND NAUSEA.

Medical Conditions Generally Aggravated by Exposure
PRE-EXISTING AND RESPIRATORY DISORDERS, MAY BE AGGRAVATED BY EXPOSURE.

Emergency and First Aid Procedures
MOVE TO FRESH AIR. IF SWALLOWED, DO NOT INDUCE VOMITING AND CALL PHYSICIAN. FLUSH SKIN WITH WATER. FLUSH EYES WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, SEE A PHYSICIAN IMMEDIATELY

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled.
ELIMINATE ALL SOURCES OF IGNITION. SMALL SPILLS SHOULD BE FLUSHED WITH LARGE QUANTITIES OF WATER. LARGER SPILLS SHOULD BE COLLECTED FOR DISPOSAL.

Waste Disposal Method
ATOMIZE INTO AN INCINERATOR WHERE PERMITTED UNDER APPROPRIATE FEDERAL, STATE, AND LOCAL REGULATIONS.

Precautions to Be taken in Handling and Storing
DO NOT TAKE INTERNALLY. FLAMMABLE LIQUID. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. KEEP CONTAINER CLOSED.

Other Precautions
N/A

Section VIII - Control Measures

Respiratory Protection (Specify Type)
AIR SUPPLIED MASKS IN CONFINED AREAS.

<table>
<thead>
<tr>
<th>Ventilation</th>
<th>Local Exhaust</th>
<th>Special</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PREFERRED</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mechanical (General) ACCEPTABLE</td>
<td>Other</td>
</tr>
</tbody>
</table>

Protective Gloves
RUBBER OR VINYL GLOVES

Eye Protection
CHEMICAL RESISTANT GOGGLES
Other Protective Clothing or Equipment

| EYE BATH AND SAFETY SHOWERS. |

Work/Hygienic Practices

HANDLE CAREFULLY; AVOID SPILLING. WASH HANDS BEFORE EATING, DRINKING OR SMOKING.

Disclaimer:
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