

**SUBSTANCE SAFETY DATA SHEET**  
(Prepared According to 29 CFR 1910.1200)

Date Prepared: 4/9/2007

Code: 2280

**SECTION 1 - PRODUCT IDENTIFICATION**

|   |  |
|---|--|
| Distributor: <b>Case Medical, Inc.</b>            | Emergency Phone: 888-227-CASE                |
| Address: 65 Railroad Ave., Ridgefield, NJ, 07657  | Prepared By:                                 |
| Trade Name: <b>CSR INK &amp; ADHESIVE REMOVER</b> | Product Type: Medical Ink & Adhesive Remover |

**SECTION 2 - INGREDIENTS**

| CHEMICAL NAME/COMMON NAME | CAS NO.   | WT. %(opt) | TLV(Source)      | TITLE III, SECT. 313 |
|---------------------------|-----------|------------|------------------|----------------------|
| D-Limonene                | 5989-27-5 | 70 - 96%   | None Established | NO                   |
|                           |           |            |                  |                      |
|                           |           |            |                  |                      |
|                           |           |            |                  |                      |

**SECTION 3 - PHYSICAL DATA**

|                            |   |                            |   |    |           |
|----------------------------|---|----------------------------|---|----|-----------|
| Boiling point (°F.)        | Above 300°F   | Specific Gravity (H2O=1.0) | 0.8 ± 0.005   | pH | N/A ± 0.5 |
| Vapor Pressure (mm Hg)     | Not Determined  | Vapor Density (Air=1)      | Not Determined  |    |           |
| Solubility in water        | <input type="checkbox"/> Complete <input checked="" type="checkbox"/> Insoluble <input type="checkbox"/> Emulsifiable (or Dispersible) <input type="checkbox"/> Slight (or Partial) |                            |   |    |           |
| Evaporation Rate (vs. H2O) | <input checked="" type="checkbox"/> Faster <input type="checkbox"/> Slower <input type="checkbox"/> About the Same  | Appearance and Odor        | Clear, colorless to pale straw colored liquid with citrus odor. |    |           |

**SECTION 4 - FIRE AND EXPLOSION HAZARD DATA**

|                                    |  |                  |            |            |
|------------------------------------|--|------------------|------------|------------|
| Flash Point (T.C.C.)               | 122 °F. <input type="checkbox"/> None to Boiling   | Flammable Limits | Upper 6.1% | Lower 0.7% |
| Extinguishing Media                | Dry Powder; CO2; Foam  |                  |            |            |
| Special Firefighting Procedures    | Do not enter confined fire-spaces without protective clothing and self-contained air supply. |                  |            |            |
| Unusual Fire and Explosion Hazards | None   |                  |            |            |

**SECTION 5 - REACTIVITY DATA**

|                                  |   |                 |                         |
|----------------------------------|---|-----------------|-------------------------|
| Stability                        | Stable  | Incompatibility | Strong Oxidizers, Acids |
| Hazardous Decomposition Products | Burning may produce carbon monoxide, carbon dioxide and unidentified organic compounds. |                 |                         |

**SECTION 6 - HEALTH HAZARD DATA**

|   |  |
|---|--|
| Primary Routes of Exposure                    | <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Oral <input type="checkbox"/> Inhalation <input type="checkbox"/> Other   |
| Signs and Symptoms Of Overexposure (Acute)    | Prolonged or repeated exposure may cause eye and skin irritation, including reddening and drying, cracking of skin. Absorption through skin is possible but not expected to produce harmful effects under normal use conditions. Excessive inhalation of vapors or mists may cause respiratory tract irritation and C.N.S. depression (dizziness, fatigue, headache) in extreme cases. Ingestion of large amounts may cause nausea, vomiting, impaired coordination, C.N.S. depression, pulmonary edema and possible coma. |
| Signs and Symptoms of Overexposure (Chronic)  | D-Limonene is a sensitizer. Repeated contact may cause an allergic skin reaction. LD50 (RAT) = 5g/Kg   |
| Medical Conditions Aggravated by Overexposure | Due to its defatting properties, this product will exacerbate an existing dermatitis.  |
| Carcinogen or Suspect Carcinogen Ingredients  | <input type="checkbox"/> NTP <input type="checkbox"/> IARC <input type="checkbox"/> OSHA <input checked="" type="checkbox"/> NONE  |

**SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES**

|            |   |
|------------|---|
| Eyes       | Flush eyes with water for at least 15 minutes and get immediate medical attention.                  |
| Skin       | Wash with large amounts of soap and water. If irritation persists, consult a physician.             |
| Ingestion  | Do NOT induce vomiting. Dilute by drinking water. Call a physician immediately.                     |
| Inhalation | Not an expected route of exposure. If vapors or mist cause irritation, remove subject to fresh air. |

**SECTION 8 - SPECIAL PROTECTION INFORMATION**

|                              |   |
|------------------------------|---|
| Respiratory Protection       | Not required under normal use conditions with good general ventilation.   |
| Ventilation Requirements     | Normal <input type="checkbox"/> Local Exhaust <input type="checkbox"/> Mechanical <input type="checkbox"/> Other <input type="checkbox"/> Eye Protection Safety Glasses/Goggles |
| Protective Gloves Rubber/PVC | Other Protective Clothing No special requirements - work clothing & gloves appropriate to minimize contact/reduce exposed skin area.  |

**SECTION 9 - SPILL OR LEAK PROCEDURES**

|                                  |  |
|----------------------------------|--|
| Steps To Be Taken If Released or | Eliminate ignition sources. Do not touch or walk through spilled material. Stop leak if you can without risk. Dike ahead of large spills to prevent run-off. Mop, pump or take up with sand or other inert absorbent and reclaim into containers for reuse, recycle, or proper disposal. |
| Waste Disposal Methods           | Dispose of in an approved waste facility according to Federal, State and local regulations.  |

**SECTION 10 - STORAGE AND HANDLING INFORMATION**

|   |  |
|---|--|
| Precautions to be Taken In Handling and Storage | WARNING: Combustible liquid. Store in a cool, fire resistant area away from oxidizing materials. Ground all equipment and provide adequate ventilation. Handle all containers carefully. Containers should be kept closed when not in use. Wash thoroughly after handling.<br>DOT Classification : Not regulated in non-bulk containers. |
|---|--|

The health hazards given on this Material Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

HMIS  
HAZARD  
RATING

|                     |   |
|---------------------|---|
| HEALTH              | 1 |
| FLAMMABILITY        | 2 |
| REACTIVITY          | 0 |
| PERSONAL PROTECTION | X |

0 - LEAST  
1 - SLIGHT  
2 - MODERATE  
3 - HIGH  
4 - EXTREME