MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Manufacturer: WD-40 Company
Address: 1061 Cudahy Place (92110)
P.O. Box 80607
San Diego, California
92138-0607

Telephone: Emergency Only: 1 (800) 424-9300
Information: (619) 275-1400
Chemical Name: Organic Mixture
Trade Name: WD-40 Bulk Liquid

II. HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>%</th>
<th>Exposure Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aliphatic Petroleum Distillates</td>
<td>8052-41-3</td>
<td>70</td>
<td>100 ppm PEL</td>
</tr>
<tr>
<td>Petroleum Base Oil</td>
<td>64742-65-0</td>
<td>&gt; 20</td>
<td>5 mg/m³ TWA (mist)</td>
</tr>
<tr>
<td>Non-hazardous Ingredients</td>
<td></td>
<td>&lt; 10</td>
<td></td>
</tr>
</tbody>
</table>

III. PHYSICAL DATA

- Boiling Point: 300°F (minimum)
- Vapor Density (air = 1): Greater than 1
- Solubility in Water: Insoluble
- Specific Gravity (H₂O = 1): 0.810 @ 70°F
- Percent Volatile (volume): 74%
- Evaporation Rate: Not determined
- Vapor Pressure: Not determined
- Appearance: Cloudy light amber
- Odor: Characteristic odor
- VOC: 568 grams per liter

IV. FIRE AND EXPLOSION

- Flash Point: Tag Open Cup 110°F (minimum)
- Flammable Limits: (Solvent Portion) [Lel] 1.0% [Uel] 6.0%
- Extinguishing Media: CO₂, Dry Chemical, Foam
- Special Fire Fighting Procedures: None
- Unusual Fire and Explosion Hazards: None

V. HEALTH HAZARD / ROUTE(S) OF ENTRY

Threshold Limit Value
Aliphatic Petroleum Distillates (Stoddard Solvent) lowest TLV (ACGIH 100 ppm.)

Symptoms of Overexposure
- Inhalation (Breathing): May cause anesthesisia, headache, dizziness, nausea and upper respiratory irritation.
- Skin Contact: May cause drying of skin and/or irritation.
- Eye Contact: May cause irritation, tearing and redness.
- Ingestion (Swallowed): May cause irritation, nausea, vomiting and diarrhea.

First Aid Emergency Procedures
- Ingestion (Swallowed): Do not induce vomiting, seek medical attention.
- Eye Contact: Immediately flush eyes with large amounts of water for 15 minutes.
- Skin Contact: Wash with soap and water.
- Inhalation (Breathing): Remove to fresh air. Give artificial respiration if necessary.
- Pre-existing medical conditions such as eye, skin and respiratory disorders may be aggravated by exposure.

DANGER!
- Aspiration Hazard: If swallowed, can enter lungs and may cause chemical pneumonitis.
- Do not induce vomiting. Call Physician immediately.

Suspected Cancer Agent
- Yes _ No X

The components in this mixture have been found to be noncarcinogenic by NTP, IARC and OSHA.
VI. REACTIVITY DATA

<table>
<thead>
<tr>
<th>Stability: Stable</th>
<th>Unstable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conditions to avoid: NA</td>
<td></td>
</tr>
<tr>
<td>Incompatibility: Strong oxidizing materials</td>
<td></td>
</tr>
<tr>
<td>Hazardous decomposition products: Thermal decomposition may yield carbon monoxide and/or carbon dioxide.</td>
<td></td>
</tr>
<tr>
<td>Hazardous polymerization: May occur</td>
<td>Will not occur</td>
</tr>
</tbody>
</table>

VII. SPILL OR LEAK PROCEDURES

**Spill Response Procedures**
Absorb small quantities with sand, earth, sawdust. Large quantities pump into tank.

**Waste Disposal Method**
Incinerate liquid, bury saturated absorbent in land fill. Dispose of in accordance with local, state and federal regulations.

VIII. SPECIAL HANDLING INFORMATION

| Ventilation: Sufficient to keep solvent vapor less than TLV. |
| Respiratory Protection: Advised when concentrations exceed TLV. |
| Protective Gloves: Advised to prevent possible skin irritation. |
| Eye Protection: Approved eye protection to safeguard against potential eye contact, irritation or injury. |
| Other Protective Equipment: None required. |

IX. SPECIAL PRECAUTIONS

Keep from open flame, do not take internally. Avoid excessive inhalation of spray particles. Keep from children.

X. TRANSPORTATION DATA (49 CFR 172.101)

**Domestic Surface (under 1.3 Gallons)**
- Description: Petroleum Distillates N.O.S.
- Hazard Class: Consumer Commodity
- ID No.: ORM-D
- Label Required: NONE

**Domestic Surface (5 and 55 Gallons)**
- Description: Petroleum Distillates N.O.S.
- Hazard Class: Combustible Liquid
- ID No.: UN 1268
- Label Required: None (under 119 Gallons)

**Domestic Air**
- Description: Petroleum Distillates N.O.S.
- Hazard Class: 3 UN-1268 PG III
- Label Required: Flammable Liquid

XI. REGULATORY INFORMATION

All ingredients for this product are listed on the TSCA inventory.
- SARA Title III chemicals: None
- California Prop 65 chemicals: None
- CERCLA reportable quantity: None
- RCRA hazardous waste no.: D001 (Ignitable)

SIGNATURE: R. Miles

REVISION DATE: June 1996

SUPERSEDES: August 1992

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