



# WD-40



## MATERIAL SAFETY DATA SHEET

### I. PRODUCT IDENTIFICATION

|               |                                                                                    |                 |                             |
|---------------|------------------------------------------------------------------------------------|-----------------|-----------------------------|
| Manufacturer: | WD-40 Company                                                                      | Telephone:      |                             |
| Address:      | 1061 Cudahy Place (92110)<br>P.O. Box 80607<br>San Diego, California<br>92138-0607 | Emergency only: | 1-(800) 424-9300 (CHEMTREC) |
|               |                                                                                    | Information:    | (619) 275-1400              |
|               |                                                                                    | Chemical Name:  | Organic Mixture             |
|               |                                                                                    | Trade Name:     | WD-40 Aerosol               |

### II. HAZARDOUS INGREDIENTS

| Chemical Name                   | CAS Number | %     | Exposure Limit<br>ACGIH/OSHA   |
|---------------------------------|------------|-------|--------------------------------|
| Aliphatic Petroleum Distillates | 8052-41-3  | 45-50 | 100 ppm PEL                    |
| Petroleum Base Oil              | 64742-65-0 | 15-25 | 5 mg/M <sup>3</sup> TWA (mist) |
| LVP Hydrocarbon Fluid           | 64742-47-8 | 12-18 | 1200 mg/M <sup>3</sup> TWA     |
| Carbon Dioxide                  | 124-38-9   | 2-3   | 5000 ppm PEL                   |
| Non-hazardous Ingredients       |            | < 10  |                                |

### III. PHYSICAL DATA

|                                        |                 |                   |                         |
|----------------------------------------|-----------------|-------------------|-------------------------|
| Boiling Point:                         | 323°F (minimum) | Evaporation Rate: | Not determined          |
| Vapor Density (air=1):                 | Greater than 1  | Vapor Pressure:   | 110 ±5 PSI @ 70°F       |
| Solubility in Water:                   | insoluble       | Appearance:       | Light amber             |
| Specific Gravity (H <sub>2</sub> O=1): | 0.832 @ 72°F    | Odor:             | Characteristic odor     |
| Percent Volatile (volume):             | 74%             | VOC:              | 412 grams/liter (49.5%) |

### IV. FIRE AND EXPLOSION

|                                     |                                         |
|-------------------------------------|-----------------------------------------|
| Flash Point:                        | 131°F Tag Closed Cup                    |
| Flammable Limits:                   | (Solvent Portion) [Lel] 1.0% [Uel] 6.0% |
| Extinguishing Media:                | CO <sub>2</sub> , Dry Chemical, Foam.   |
| Special Fire Fighting Procedures:   | Contents Under Pressure                 |
| Unusual Fire and Explosion Hazards: | FLAMMABLE - U.F.C. level 3 AEROSOL      |

### 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 anesthesia, 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 caused 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.<br>If breathing is difficult, give oxygen.                |
|                                | 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.<br>Do not induce vomiting. Call Physician immediately. |
| Suspected Cancer Agent         | The components in this mixture have been found to be noncarcinogenic by NTP, IARC and OSHA                               |
| Yes ___ No <u>X</u>            |                                                                                                                          |

## VI. REACTIVITY DATA

|                                   |                                                                        |                         |
|-----------------------------------|------------------------------------------------------------------------|-------------------------|
| Stability:                        | Stable <u>X</u>                                                        | Unstable _____          |
| Conditions to avoid:              | NA                                                                     |                         |
| Incompatibility:                  | Strong oxidizing agents                                                |                         |
| Hazardous decomposition products: | Thermal decomposition may yield carbon monoxide and/or carbon dioxide. |                         |
| Hazardous polymerization:         | May occur _____                                                        | Will not occur <u>X</u> |

## VII. SPILL OR LEAK PROCEDURES

### Spill Response Procedures

Spill unlikely from aerosol cans. Leaking cans should be placed in plastic bag or open pail until pressure has dissipated.

### Waste Disposal Method

Empty aerosol cans should not be punctured or incinerated; bury in land fill. Liquid should be incinerated or buried 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 protections to safeguard against potential eye contact, irritation or injury. |
| Other Protective Equipment: | None required.                                                                             |

## IX. SPECIAL PRECAUTIONS

Keep from sources of ignition. Avoid excessive inhalation of spray particles, do not take internally. Do not puncture, incinerate or store container above 120°F. Exposure to heat may cause bursting. Keep can away from electrical current or battery terminals. Electrical arcing can cause burn-through (puncture) which may result in flash fire, causing serious injury. Keep from children.

## X. TRANSPORTATION DATA (49 CFR 172.101)

### Domestic Surface

|                 |                            |
|-----------------|----------------------------|
| Description:    | Consumer Commodity         |
| Hazard Class:   | ORM-D                      |
| ID No:          | None                       |
| Label Required: | Consumer commodity (ORM-D) |

## 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

TITLE: Technical Director

REVISION DATE: NOVEMBER 2003

SUPERSEDES: MARCH 2001

NA: Not applicable NDA: No data available

< = Less than > = More than

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