WH185

# WD-40 Company
# Material Safety Data Sheet

## 1 - Chemical Product and Company Identification

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|---|---|
| **Manufacturer:** WD-40 Company | **Chemical Name:** Organic Mixture |
| **Address:** 1061 Cudahy Place (92110)<br>P.O. Box 80607<br>San Diego, California, USA<br>92138 –0607 | **Trade Name:** WD-40 Aerosol<br><br>**Product Use:** Cleaner, Lubricant, Penetrant |
| **Telephone:** 1-800-448-9340<br>**Emergency only:** 1-888-324-7596 (PROZAR)<br>**Information:** 1-888-324-7596 | **MSDS Date Of Preparation:** 5/16/07 |

## 2 – Hazards Identification

**Emergency Overview:**
**DANGER!** Harmful or fatal if swallowed. Flammable aerosol. Contents under pressure. Avoid eye contact. Use with adequate ventilation. Keep away from heat, sparks and all other sources of ignition.

**Symptoms of Overexposure:**
**Inhalation:** High concentrations may cause nasal and respiratory irritation and central nervous system effects such as headache, dizziness and nausea. Intentional abuse may be harmful or fatal.
**Skin Contact:** Prolonged and/or repeated contact may produce mild irritation and defatting with possible dermatitis.
**Eye Contact:** Contact may be mildly irritating to eyes. May cause redness and tearing.
**Ingestion:** This product has low oral toxicity. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea. The liquid contents are an aspiration hazard. If swallowed, can enter the lungs and may cause chemical pneumonitis.
**Chronic Effects:** None expected.
**Medical Conditions Aggravated by Exposure:** Preexisting eye, skin and respiratory conditions may be aggravated by exposure.

**Suspected Cancer Agent:**
Yes No X

## 3 - Composition/Information on Ingredients

| Ingredient | CAS # | Weight Percent |
|---|---|---|
| Aliphatic Hydrocarbon | 64742-47-8<br>64742-48-9<br>64742-88-7 | 45-50 |
| Petroleum Base Oil | 64742-65-0 | 15-25 |
| LVP Aliphatic Hydrocarbon | 64742-47-8 | 12-18 |
| Carbon Dioxide | 124-38-9 | 2-3 |
| Non-Hazardous Ingredients | Mixture | <10 |

## 4 – First Aid Measures

**Ingestion (Swallowed):** Aspiration Hazard. DO NOT induce vomiting. Call physician, poison control center or the WD-40 Safety Hotline at 1-888-324-7596 immediately.
**Eye Contact:** Flush thoroughly with water. Get medical attention if irritation persists.
**Skin Contact:** Wash with soap and water. If irritation develops and persists, get medical attention.

**Inhalation (Breathing):** If irritation is experienced, move to fresh air. Get medical attention if irritation or other symptoms develop and persist.

## 5 – Fire Fighting Measures

**Extinguishing Media:** Use water fog, dry chemical, carbon dioxide or foam. Do not use water jet or flooding amounts of water. Burning product will float on the surface and spread fire.
**Special Fire Fighting Procedures**: Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water. Use shielding to protect against bursting containers.
**Unusual Fire and Explosion Hazards**: Contents under pressure. Aerosol containers may burst under fire conditions. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back.

## 6 – Accidental Release Measures

Wear appropriate protective clothing (see Section 8). Eliminate all sources of ignition and ventilate area. Leaking cans should be placed in a plastic bag or open pail until the pressure has dissipated. Contain and collect liquid with an inert absorbent and place in a container for disposal. Clean spill area thoroughly. Report spills to authorities as required.

## 7 – Handling and Storage

**Handling:** Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing vapors or aerosols. Use with adequate ventilation. Keep away from heat, sparks, hot surfaces and open flames. Wash thoroughly with soap and water after handling. Do not puncture or incinerate containers. 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 out of the reach of children.
**Storage:** Do not store above 120°F or in direct sunlight. U.F.C (NFPA 30B) Level 3 Aerosol.

## 8 – Exposure Controls/Personal Protection

| Chemical | Occupational Exposure Limits |
|---|---|
| Aliphatic Hydrocarbon | 100 ppm TWA (ACGIH)<br>1200 mg/m3 TWA (manufacturer recommended) |
| Petroleum Base Oil | 5 mg/m3 TWA (OSHA/ACGIH) |
| LVP Aliphatic Hydrocarbon | 1200 mg/m3 TWA (manufacturer recommended) |
| Carbon Dioxide | 5000 ppm TWA (OSHA/ACGIH), 30,000 ppm STEL (ACGIH) |
| Non-Hazardous Ingredients | None Established |

**The Following Controls are Recommended for Normal Consumer Use of this Product**
**Engineering Controls:** Use in a well-ventilated area.
**Personal Protection:**
**Eye Protection:** Avoid eye contact. Safety glasses or goggles recommended.
**Skin Protection:** Avoid prolonged skin contact. Chemical resistant gloves recommended for operations where skin contact is likely.
**Respiratory Protection:** None needed for normal use with adequate ventilation.

**For Bulk Processing or Workplace Use the Following Controls are Recommended**
**Engineering Controls:** Use adequate general and local exhaust ventilation to maintain exposure levels below that occupational exposure limits.
**Personal Protection:**
**Eye Protection:** Safety goggles recommended where eye contact is possible.
**Skin Protection:** Wear chemical resistant gloves.
**Respiratory Protection:** None required if ventilation is adequate. If the occupational exposure limits are exceeded, wear a NIOSH approved respirator. Respirator selection and use should be

based on contaminant type, form and concentration. Follow OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice.
**Work/Hygiene Practices:** Wash with soap and water after handling.

**9 – Physical and Chemical Properties**

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|---|---|---|---|
| Boiling Point: | 323°F (minimum) | Specific Gravity: | 0.817 @ 72°F |
| Solubility in Water: | Insoluble | pH: | Not Applicable |
| Vapor Pressure: | 110 PSI @ 70°F | Vapor Density: | Greater than 1 |
| Percent Volatile: | 74% | VOC: | 412 grams/liter (49.5%) |
| Coefficient of Water/Oil Distribution: | Not Determined | Appearance/Odor | Light amber liquid/mild odor |
| Flash Point: | 131°F (concentrate) Tag Closed Cup | Flammable Limits: (Solvent Portion) | LEL: 1.1% UE:: 8.9% |

**10 – Stability and Reactivity**

**Stability:** Stable
**Hazardous Polymerization:** Will not occur.
**Conditions to Avoid:** Avoid heat, sparks, flames and other sources of ignition. Do not puncture or incinerate containers.
**Incompatibilities:** Strong oxidizing agents.
**Hazardous Decomposition Products:** Carbon monoxide and carbon dioxide.

**11 – Toxicological Information**

The oral toxicity of this product is estimated to be greater than 5,000 mg/kg based on an assessment of the ingredients. This product is not classified as toxic by established criteria. It is an aspiration hazard.
None of the components of this product is listed as a carcinogen or suspected carcinogen or is considered a reproductive hazard.

**12 – Ecological Information**

No data is currently available.

**13 - Disposal Considerations**

If this product becomes a waste, it would be expected to meet the criteria of a RCRA ignitable hazardous waste (D001). However, it is the responsibility of the generator to determine at the time of disposal the proper classification and method of disposal. Dispose in accordance with federal, state, and local regulations.

**14 – Transportation Information**

DOT Surface Shipping Description: Consumer Commodity, ORM-D
IMDG Shipping Description: Aerosols, 2, UN1950

**15 – Regulatory Information**

**U.S. Federal Regulations**:
**CERCLA 103 Reportable Quantity:** This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.
**SARA TITLE III**:
**Hazard Category For Section 311/312:** Acute Health, Fire Hazard, Sudden Release of Pressure

**Section 313 Toxic Chemicals**: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None
Section 302 Extremely Hazardous Substances (TPQ): None
**EPA Toxic Substances Control Act (TSCA) Status**: All of the components of this product are listed on the TSCA inventory
**Canadian Environmental Protection Act**: All of the ingredients are listed on the Canadian Domestic Substances List or exempt from notification
**Canadian WHMIS Classification**: Class B-5 (Flammable Aerosol)
This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

**16 – Other Information:**

**HMIS Hazard Rating:**
**Health – 1 (slight hazard), Fire Hazard – 4 (severe hazard), Reactivity – 0 (minimal hazard)**

SIGNATURE: Peter P. L TITLE: Director of Global Quality Assurance

REVISION DATE: Revision Date: May 2007 SUPERSEDES: December 2004