



## Material Safety Data Sheet

### 1 - Chemical Product and Company Identification

<b>Manufacturer:</b> WD-40 Company  <b>Address:</b> 1061 Cudahy Place (92110) P.O. Box 80607 San Diego, California, USA 92138 -0607  <b>Telephone:</b> <b>Emergency only:</b> 1-888-324-7596 <b>(PROZAR)</b> <b>Information:</b> 1-888-324-7596 <b>Chemical Spills:</b> 1-800-424-9300 (Chemtrec) 1-703-527-3887 (International Calls)	<b>Chemical Name:</b> Organic Mixture  <b>Trade Name:</b> 3-IN-ONE Professional Garage Door Lube  <b>Product Use:</b> Aerosol Lubricant  <b>MSDS Date Of Preparation:</b> September 2009
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### 2 – Hazards Identification

**Emergency Overview:**

**DANGER!** Extremely flammable aerosol. Contents under pressure. Avoid heat, sparks and flames. Harmful or fatal if swallowed. Harmful if intentionally inhaled.

**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

### 3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent
Aliphatic Petroleum Distillates	64742-47-8	50-60
Polydimethylsiloxane	63148-62-9	2-4
Liquefied Petroleum Gas	68476-86-8	35-45

**See Section 8 for Exposure Limits**

### 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 in areas where chemicals are used and stored. 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. Electrical arcing can cause burn-through (puncture) which may result in flash fire, causing serious injury. Intentional misuse by deliberately concentrating vapors and inhaling can be harmful or fatal. 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. Do not place can in hot water or near radiators, stoves or other sources of heat. Protect from physical damage.

**8 – Exposure Controls/Personal Protection**

Chemical	Occupational Exposure Limits
Aliphatic Petroleum Distillates	100 ppm ACGIH-TLV 500 ppm TWA OSHA PEL
Polydimethylsiloxane	None Established
Liquefied Petroleum Gas	1000 ppm TWA ACGIH TLV 1000 ppm TWA OSHA PEL (as propane)

**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 goggle 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

Boiling Point:	Not Determined	Specific Gravity:	0.75
Solubility in Water:	Insoluble	pH:	Not Applicable
Vapor Pressure:	40-60 psig @ 70°F	Vapor Density:	Greater than 1
Percent Volatile:	98%	VOC:	Not Determined
Coefficient of Water/Oil Distribution:	Not Determined	Appearance/Odor	Clear, aerosol spray with a petroleum odor.
Flash Point:	-20°F Tag Open Cup	Flammable Limits:	LEL: 1.8% UEL: 9.5%
Flammability Properties:	Extremely flammable per US CPSC flame projection test.		

### 10 – Stability and Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Avoid heat, flames and other sources of ignition. Do not puncture or incinerate containers.

**Incompatibilities:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, silicon oxides, formaldehyde, smoke.

### 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

Aerosol containers should not be punctured, compacted in home trash compactors or incinerated. Empty containers may be disposed of through normal waste management options. 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: UN1950, Aerosols, 2.1

## 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, Flammability

**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:  TITLE: Director of Global Quality Assurance

REVISION DATE: September 2009 SUPERSEDES: November 2006