



## Material Safety Data Sheet (MSDS)

### Section 1 - Chemical Product and Company Identification

<b>MANUFACTURER/SUPPLIER:</b> <b>US Office:</b> WD-40 Company 1061 Cudahy Place San Diego, CA 92138 -0607  <b>Information Phone #:</b> (619) 275-1400 <b>Emergency Phone # 24 hr:</b> <b>Health Emergency only: 1-888-324-7596 (PROZAR)</b> <b>Chemtrec: (800) 424-9300</b> – Designated for use only in the event of chemical emergencies involving a spill, leak, fire exposure or accident involving chemicals.	<b>Canadian Office:</b> WD-40 Products [Canada] LTD. P.O. Box 220 Toronto, Ontario M9C 4V3  <b>Information Phone #:</b> (416) 622-9881 <b>Emergency Phone # 24 hr:</b> <b>Canutec: (613) 996-6666</b> – Designated for use only in the event of chemical emergencies involving a spill, leak, fire exposure or accident involving chemicals
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**PRODUCT NAME:** 3-IN-ONE® professional Garage Door Lube

**FORMULA:** Mixture

**GENERAL CLASS:** Aerosol Lubricant

**MSDS DATE OF PREPARATION:** December 18, 2009

**HMIS Rating**

Health: 2

Flammability: 4

Reactivity: 1

### Section 2 - 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

### Section 3 – Hazards Identification

DANGER! EXTREMELY FLAMMABLE AEROSOL. CONTENTS UNDER PRESSURE. AVOID HEAT, SPARKS AND FLAMES. HARMFUL OR FATAL IF SWALLOWED. HARMFUL IF INTENTIONALLY INHALED.

Avoid breathing concentrated vapors. Use with adequate ventilation. Avoid eye contact.

**Potential Health Effects:**

**Primary Routes of Entry:** Inhalation, skin and eye contact.

**Acute Effects:**

**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.

#### Section 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.

#### Section 5 – Fire Fighting Measures

**Flammability Properties:** Extremely flammable per US CPSC flame projection test. Very flammable per CCCR criteria.

**Flash Point:** 42°C/108°F closed cup (concentrate)

**Flammable Limits:** LEL: 0.6% UEL: 9.5%

**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.

#### Section 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

#### Section 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.

#### Section 8 – Exposure Controls/Personal Protection

Occupational Exposure Limits

Aliphatic Petroleum Distillates	100 ppm TWA ACGIH-TLV
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	500 ppm TWA OSHA PEL 152 ppm TWA (manufacturer recommended)
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 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.

**Section 9 – Physical and Chemical Properties**

Vapor Pressure:	40-60 psig @ 70 F	Vapor Density (air = 1):	>1
Specific Gravity (Water = 1):	0.75	Evaporation Rate (Butyl Acetate = 1):	Less than 1
Boiling Range: -	N/D	% Volatiles by Volume:	98%
Solubility in water (20 C):	Insoluble	VOC	58%
Appearance and Odor:	Clear, aerosol spray. Petroleum odor.	Coefficient of Water/Oil Distribution:	N/D

**Section 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, carbon dioxide, silicon oxides, formaldehyde, smoke.

**Section 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.

**Section 12 – Ecological Information**

No data is currently available.

**Section 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.

**Section 14 – Transportation Information**

DOT Surface Shipping Description: Consumer Commodity, ORM-D  
IMDG Shipping Description: UN1950, Aerosols, 2.1  
Canadian TDG Shipping Description: Limited Quantity

**Section 15 – Regulatory Information**

SARA 302: None found  
SARA 311/312 Hazard Categories: Immediate (acute), Chronic (delayed), Flammability  
SARA 313: Toxic Chemicals: None  
OSHA: Hazardous under criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200)  
California Proposition 65: No components listed.

Canadian Environmental Protection Act: All of the ingredients are listed on the Canadian Domestic Substances List.  
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.

**Section 16 – Other Information**

**HMIS Hazard Rating: Health – 2 (moderate hazard), Fire Hazard – 4 (severe hazard),  
Physical Hazard – 0 (minimal hazard)**

Prepared By: Industrial Health & Safety Consultants, Inc.

Revision Date: 12/18/2009

Supersedes: 01/30/2007

This MSDS complies with OSHA guidelines set by 29 CFR 1910.1200 and the Canadian WHMIS regulations. The foregoing information has been compiled from sources believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance of need that data is correct. Standards change without notice. It is the responsibility of the recipient to insure that their personnel have been notified of any changes which may affect them. The data provided on this MSDS are not meant to be used as specifications, only as guideline information as to the safe use of this product. User should refer to applicable laws before use.

N/D = Not Determined N/E = Not Established N/A = Not Applicable