



## MATERIAL SAFETY DATA SHEET

### SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

<b>MANUFACTURER/SUPPLIER:</b> <b>WD-40 Products [Canada] Ltd.</b> <b>P.O. Box 220</b> <b>Toronto, Ontario M9C 4V3</b>  <b>Information Phone #: (416) 622-9881</b> <b>Emergency Phone # 24 hr:</b> <b>Canotec: (613) 996-6666</b> Designated for use only in the event of chemical emergencies involving a spill, leak, fire exposure or accident involving chemicals	<b>US Office:</b> <b>WD-40 Company</b> <b>1061 Cudahy Place</b> <b>San Diego, CA 92110</b>  <b>Information Phone #: (619) 275-1400</b> <b>Emergency Phone # 24 hr:</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.
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PRODUCT NAME: WD-40 Specialist White Lithium Grease

PRODUCT USE: Cleaner, lubricant.

MSDS DATE OF PREPARATION: January 23, 2015

### SECTION 2 HAZARDS IDENTIFICATION

**DANGER!** Extremely Flammable aerosol. Contents under pressure. Harmful or fatal if swallowed. If swallowed, may be aspirated and cause lung damage. May cause eye, skin and respiratory tract irritation. Use only with adequate ventilation. Keep away from heat, sparks, flames and all other sources of ignition.

POTENTIAL HEALTH EFFECTS:

PRIMARY ROUTES OF ENTRY: Inhalation, skin and eye contact.

ACUTE EFFECTS:

**INGESTION:** This product has low oral toxicity. If swallowed, this material may cause irritation of the mouth, throat and esophagus. Swallowing may cause gastrointestinal irritation, nausea, vomiting, diarrhea, dizziness, drowsiness and other central nervous system effects. This product is an aspiration hazard. If swallowed, can enter the lungs and may cause chemical pneumonitis, severe lung damage and death.

**EYES:** Contact may be irritating to eyes. May cause redness, stinging, swelling and tearing.

**SKIN:** May cause skin irritation with short-term exposure with redness, itching and burning of the skin. Prolonged and/or repeated contact may produce defatting and dermatitis.

**INHALATION:** Mist or vapor can irritate the throat and lungs. 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.

**CHRONIC EFFECTS:** Prolonged or repeated skin contact may defat the skin resulting in irritation and dermatitis.

### SECTION 3 COMPOSITION INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Percent
LVP Petroleum Solvent	64742-47-8	40-50%
Petroleum Solvent	64742-88-7	<3%
Hydrotreated Heavy Naphthenic Distillate	64742-52-5	<5%

Solvent-refined Heavy Paraffinic Distillate	64741-88-4	<5%
Calcium Sulfonate	Proprietary	1-5%
Titanium Dioxide	13463-67-7	<2%
Propellant (Liquefied petroleum gases)	68476-86-8	30-40%

**SECTION 4 FIRST AID MEASURES**

**For Medical Emergencies Call 1-888-324-7596 (24 hours/day)**

**INGESTION:** 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 for 15 minutes. Remove contact lenses if present after the first 5 minutes and continue flushing. Get medical attention if irritation persists.

**SKIN CONTACT:** Wash with soap and water. If irritation develops and persists, get medical attention.

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

**SECTION 5 FIRE FIGHTING MEASURES**

**EXTINGUISHING MEDIA:** Use water fog, dry chemical, carbon dioxide or foam. Cool fire exposed containers with water.

**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 cans.

**UNUSUAL FIRE/EXPLOSION HAZARDS:** Contents under pressure. Keep away from ignition source and open fire. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. A vapor and air mixture can create an explosion hazard in confined spaces.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

**SPILL RESPONSE:** Wear appropriate protective clothing (see Section 8). Eliminate all sources of ignition and ventilate area. 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 only with adequate ventilation. Keep away from heat, sparks, pilot lights, hot surfaces and open flames. Unplug electrical tools, motors and appliances before spraying or bringing the can near any source of electricity. Electricity can burn a hole in the can and cause contents to burst into flames. To avoid serious burn injury, do not let the can touch battery terminals, electrical connections on motors or appliances or any other source of electricity. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep out of the reach of children. Do not puncture, crush or incinerate containers, even when empty.

**STORAGE:** Store in a cool, well-ventilated area, away from incompatible materials. Do not store in direct sunlight or above 120°F. U.F.C (NFPA 30B) Level 3 Aerosol.

**SECTION 8 EXPOSURE CONTROLE/PERSONAL PROTECTION**

**OCCUPATIONAL EXPOSURE LIMITS:**

<b>Chemical</b>	<b>Occupational Exposure Limits</b>
Petroleum Solvents	1200 mg/m <sup>3</sup> TWA Supplier Recommended (total hydrocarbon)
Hydrotreated Heavy Naphthenic Distillate	5 mg/m <sup>3</sup> TWA inhalable ACGIH TLV
Solvent-refined Heavy Paraffinic	5 mg/m <sup>3</sup> TWA inhalable ACGIH TLV

Distillate	
Calcium Sulfonate	None Established
Titanium Dioxide	10 mg/m <sup>3</sup> TWA ACGIH TLV
Liquefied Petroleum Gas	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. Always spray away from face.

**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 applicable regulations and good Industrial Hygiene practice.

**Work/Hygiene Practices:** Wash with soap and water after handling.

**SECTION 9 PHYSICAL DATA**

APPEARANCE AND ODOR: Colorless liquid with a petroleum odor.

Boiling Point:	221°C (430°F) (Petroleum Solvent)	Specific Gravity:	Not Determined
Solubility in Water:	Insoluble	pH:	Not Applicable
Vapor Pressure:	0.07 mmHg @20°C (LVP Petroleum Solvent)	Vapor Density:	5.3 (Petroleum Solvent)
Percent Volatile:	>80%	VOC:	40%
Coefficient of Water/Oil Distribution:	Not Determined	Kinematic Viscosity:	Not determined
Flash Point:	<-30°C (-22°F) (CC ASTM D3828)	Flammable Limits:	LEL: 0.6% UEL: 5.6%
Pour Point:	Not determined		

**SECTION 10 STABILITY AND REACTIVITY**

STABILITY: Stable

INCOMPATIBILITY: Strong acids, alkalis, and oxidizers. Avoid heat, sparks, flames and other sources of ignition.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and carbon dioxide, oxides of nitrogen and sulfur, smoke, fumes, and/or unburned hydrocarbons.

**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.

This product contains small amount of titanium dioxide, which is listed by IARC as a suspected carcinogen (Group 2B). Titanium dioxide only presents a risk of cancer by inhalation of very fine dust. In this product, the titanium dioxide is incorporated into the grease and is not present as a respirable dust. There is no exposure to respirable titanium dioxide dust in the normal use of this product.

None of the components of this product is considered a reproductive hazard.

SECTION 12 ECOLOGICAL INFORMATION

No data is currently available.

SECTION 13 DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** If this product becomes a waste, it would be expected to meet the criteria of a hazardous waste based on flammability. 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.

Do not puncture, crush or incinerate containers, even when empty.

SECTION 14 TRANSPORT INFORMATION

U.S. DOT Hazard Classification: Consumer Commodity, ORM-D  
After 1/1/2014 UN1950, Aerosols, 2.1 Ltd. Qty (Note: Shipping Papers are not required for Limited Quantities unless transported by air or vessel – each package must be marked with the Limited Quantity Mark)

Canadian TDG Classification: Consumer Commodity / Limited Quantity

IMDG Code Hazard Classification: UN1950, Aerosols, 2.1, LTD QTY

SECTION 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 REGULATIONS:

**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), Class D-2-A (Very toxic material causing other chronic effects)

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), Reactivity – 0 (minimal hazard)**

Revision Date: 1/23/15

Supersedes: 2/3/12

Prepared By: Industrial Health & Safety Consultants, Inc. 1-203-929-3473

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