




# Safety Data Sheet

## 1 - Chemical Product and Company Identification

<b>Manufacturer:</b> WD-40 Company <b>Address:</b> 9715 Businesspark Avenue San Diego, California, USA 92131 <b>Telephone:</b> +1-800-448-9340 +1-858-251-5600 <b>Emergency:</b> 1-888-324-7596 <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> Mixture  <b>Trade Name:</b> WD-40 Specialist Gel Lube (China Production)  <b>Product Use:</b> Lubricant, Penetrant, Drives Out Moisture, Removes and Protects Surfaces From Corrosion  <b>SDS Date Of Preparation:</b> October 29, 2020
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## 2 – Hazards Identification

<b>GHS Classification:</b> Aerosols Category 1  <b>Label Elements:</b>   <b>DANGER!</b> H222 Extremely flammable aerosol H229 Pressurized container: may burst if heated.  <b>Prevention</b> P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use.  <b>Storage</b> P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
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## 3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent	GHS Classification
Petroleum Base Oils	Mixture	20-40%	Not Hazardous
Non-Hazardous Ingredients	Mixture	20-30%	Not Hazardous
LVP Aliphatic Hydrocarbon	64742-47-8	10-20%	Aspiration Toxicity Category 1
Propane	74-98-6	10-20%	Flammable Gas Category 1 Gas Under Pressure, Compressed Gas
Aliphatic Hydrocarbon	64742-47-8	5-10%	Aspiration Toxicity Category 1

## 4 – First Aid Measures

<b>Ingestion (Swallowed):</b> While aspiration is unlikely due to viscosity, do not induce vomiting. Rinse mouth with water. Call a physician, poison control center, or the WD-40 Safety Hotline at 1-888-324-7596. <b>Eye Contact:</b> Flush thoroughly with water. Remove contact lenses if present after the first 5 minutes and continue flushing for several more minutes. Get medical attention if irritation persists.
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**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.  
**Most Important Symptoms (acute and delayed):** May cause eye and respiratory irritation. Inhalation may cause coughing, headache and dizziness. Skin contact may cause drying of the skin.  
**Indication of Immediate Medical Attention or Special Treatment:** Immediate medical attention is not required.

### 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:** Extremely flammable aerosol. Contents under pressure. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. Combustion will produce oxides of carbon, aldehydes and hydrocarbons.

### 6 – Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:** Eliminate all sources of ignition and ventilate area. Wear appropriate protective clothing (see Section 8).  
**Environmental Precautions:** Report spills to authorities as required.  
**Methods and Materials for Containment/Cleanup:** 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

**Precautions for Safe 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.  
**Conditions for Safe Storage, including any incompatibilities:** Store in a cool, well-ventilated area, away from incompatible materials. Do not store above 120°F or in direct sunlight. U.F.C (NFPA 30B) Level 3 Aerosol. Store away from oxidizers.

### 8 – Exposure Controls/Personal Protection

Chemical	Occupational Exposure Limits
Petroleum Base Oil	5 mg/m <sup>3</sup> TWA (Inhalable) ACGIH TLV (as Mineral oil) 3 mg/m <sup>3</sup> TWA Japan OEL (as oil mist, mineral)
Non-Hazardous Ingredients	None Established
LVP Aliphatic Hydrocarbon	1200 mg/m <sup>3</sup> TWA (manufacturer recommended)
Propane	1000 ppm TWA Taiwan OEL
Aliphatic Hydrocarbon	1200 mg/m <sup>3</sup> TWA (manufacturer recommended)

#### 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 your face.

**Skin Protection:** Avoid prolonged skin contact. Chemical resistant gloves recommended for operations where skin contact is likely.

**Respiratory Protection:** None required.

**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:** No respiratory protection normally required. If exposure levels are excessive, wear an 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.

**9 – Physical and Chemical Properties**

Appearance:	Light amber liquid	Flammable Limits: (Solvent Portion)	LEL: 0.6% UEL: 8%
Odor:	Mild petroleum odor	Vapor Pressure:	Not established
Odor Threshold:	Not established	Vapor Density:	Greater than 1 (air=1)
pH:	Not established	Relative Density:	Not established
Melting/Freezing Point:	Not established	Solubilities:	Insoluble in water
Boiling Point/Range:	430 - 520°F (221 - 271°C)	Partition Coefficient; n- octanol/water:	Not established
Flash Point:	>156°F (>69°C) (Estimated, based on a similar product)	Auto ignition Temperature:	None
Evaporation Rate:	Not established	Decomposition Temperature:	Not established
Flammability (solid, gas):	Flammable Aerosol	Viscosity:	626 SUS (135.2 cSt) @ 100°F (Based on a similar product)
VOC:	24.9%	Pour Point:	Not applicable

**10 – Stability and Reactivity**

**Reactivity:** Non-reactive

**Chemical Stability:** Stable under normal storage and handling conditions.

**Possibility of Hazardous Reactions:** May react with strong oxidizers generating heat.

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

**Incompatible Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Thermal decomposition will release oxides of carbon, hydrocarbons, and aldehydes.

**11 – Toxicological Information**

**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 irritating to eyes. May cause redness and tearing.

**Ingestion:** This product has low oral toxicity. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Chronic Effects:** None currently known.

**Carcinogen Status:** None of the components are listed as a carcinogen or suspect carcinogen by IARC, NTP, ACGIH or OSHA.

**Reproductive Toxicity:** None of the components is considered a reproductive hazard.

**Numerical Measures of Toxicity:**

The oral toxicity of this product is estimated to be greater than 5,000 mg/kg and the dermal toxicity greater than 2,000 mg/kg based on an assessment of the ingredients. This product is not classified as toxic by established criteria.

**12 – Ecological Information**

**Ecotoxicity:** No specific aquatic toxicity data is currently available; however components of this product are not expected to be harmful to aquatic organisms.

**Persistence and Degradability:** No data available

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

**Other Adverse Effects:** None Known

**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. Dispose of all waste product, absorbents, and other materials in accordance with applicable Federal, state and local regulations.

**14 – Transportation Information**

IMDG Shipping Description: UN1950, Aerosols, 2.1, LTD QTY

ICAO Shipping Description: UN1950, Aerosols, flammable, 2.1

NOTE: WD-40 Company does not test aerosol cans to assure that they meet the pressure and other requirements for transport by air. We do not recommend that our aerosol products be transported by air.

**15 – Regulatory Information**

**China Regulations on the Control over Safety of Dangerous Chemicals:** All ingredients in this product are listed on IECSC (Inventory of Existing Chemical Substances in China 2010).

**Korea:** This product is authorized for sell in Korea. Please contact WD-40 for more info.

**Philippines:** All the components in this product are listed on the Philippines Inventory.

**Japan:** All the components in this product are listed on the Japanese chemical inventory.

**Taiwan:** All the components in this product are listed on the Taiwan Inventory.

**16 – Other Information**

**Indication of changes;** version 1.0

**Training instructions:** Not applicable

**Further information:** The information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

**Notice to Reader:** Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

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Supersedes: New SDS

Prepared by: IHSC, LLC. Milford, CT, USA