

# WD-40 LUBRICANT

## SMART STRAW

CERTIFICATION

TECHNICAL DATA



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# WD-40 LUBRICANT

## SMART STRAW



**WD-40 Multi-Use Product** lubricates moving parts such as hinges, wheels, rollers, chains, and gears. It protects against rust and corrosion on items like tools, and sporting equipment. It penetrates to free stuck corroded parts like nuts, bolts, valves and locks. It quickly removes adhesives, corrosion and paint. It displaces moisture to restore water flooded equipment such as engines, spark plugs and power tools.

### KEY BENEFITS

- Smart straw sprays 2 ways
- Flip-up for stream, down for spray
- 50 state VOC compliant

### PHYSICAL CHARACTERISTICS

<b>Appearance:</b>	Aerosolized Liquid	<b>Vapor Density:</b>	>1
<b>Color:</b>	Light Amber Cloudy Liquid	<b>Flash Point:</b>	138° F (59° C)(TCC)
<b>Odor:</b>	Characteristic	<b>Percent Volatile:</b>	70-75% by weight
<b>Freeze Point/Pour Point:</b>	<-81° F (-63° C)(ASTM D-97)	<b>VOCs:</b>	24.5% by weight
<b>Kinematic Viscosity @ 100° F (38° C):</b>	2.8 cSt	<b>Lower Flammability Limit:</b>	0.6%
<b>Specific Gravity @ 77° F (25° C):</b>	0.81	<b>Upper Flammability Limit:</b>	8.0%
<b>Initial Boiling Point</b>	360° F (183° C)	<b>Vapor Pressure:</b>	Aerosol: 95-115 psi @ 70° F (21° C)

### FLUID PROPERTIES

<b>Operating Temperature:</b>	-60° F to 300° F (-50° C to 150° C)	<b>Kb Value:</b>	25
<b>Dielectric Strength:</b>	38,000 volts per 0.10 inch	<b>Wet Film Thickness:</b>	50 um (0.002 inch)
<b>Solubility in Water:</b>	Insoluble	<b>Coverage:</b>	600-1000 ft2 per gal

**Surface Compatibility:** For all variations : WD-40 Multi-Use Product demonstrates none to negligible deleterious effect to plastic, rubber and metal hard surfaces. This includes Acetal, neoprene/hard rubber, HDPE, PPS Copolymer Polysulfone, Teflon, Viton, steel, galvanized steel hot dip, electroplated, copper, brass, magnesium, nickel, tin plate, titanium and zinc.

**Surface Cautions:** Nearly all surfaces interact with WD-40 Multi-Use Product as they would any high grade aliphatic petroleum spirit. Certain types of rubber will swell upon prolonged immersion. Wax polishes and certain wax coatings may be softened by WD-40 Multi-Use Product. Clear polycarbonate and polystyrene may stress craze or crack. Always test surfaces first.

### PERFORMANCE DATA

**TABLE 1: PERFORMANCE DATA OF WD-40 LUBRICANT**

TEST METHOD	PROPERTY	RESULTS
ASTM D4172	Lubricates and Protects	0.70 mm @ 77° F
ASTM D3233	Extreme Pressure Lubrication	1200 lbs.
ASTM B-117	Corrosion Protection (Salt Spray)	0 - 20% in 72 hours



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### ENVIRONMENTAL INFORMATION

- WD-40 Multi-Use Product does not contain chlorofluorocarbons (CFCs), (HCFCs)
- WD-40 Multi-Use Product does not contain Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent Chromium (Cr6), Polybrominated biphenyls (PBB), or Polybrominated diphenylether complying with the restricted substances listed in Article 4(1) of the RoHS Directive.
- WD-40 Multi-Use Product contains no ingredients requiring California Prop 65 listing or labeling such as benzene or toluene.
- WD-40 Multi-Use Product complies with VOC regulations in all 50 states.
- WD-40 Multi-Use Product is inherently biodegradable according to OECD Method 301.
- Aerosol products are recyclable, just like any other empty steel container! Thousands of communities now include aerosol product recycling in both household residential and curbside buy-back and drop-off programs. The Steel Recycling Institute recommends recycling empty aerosol cans.

### SAFETY INFORMATION

**WD-40 Multi-Use Product Aerosol:** DANGER! Flammable aerosol. Contents under pressure. Harmful or fatal if swallowed. If swallowed, may be aspirated and cause lung damage. May cause eye irritation. 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 irritating to eyes. May cause redness and tearing.
- **Ingestion:** This product has low oral toxicity. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea. This product is an aspiration hazard. If swallowed, can enter the lungs and may cause chemical pneumonitis, severe lung damage and death.
- **Chronic Effects:** None expected.
- **Suspected Cancer Agent:** No

### 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: Refer to Section 2 of the SDS for the OSHA Hazard Classification.
- 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
- Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313
- EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.
- California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): This product does not contain chemicals regulated under California Proposition 65.
- VOC Regulations: This product complies with the consumer product VOC limits of CARB, LADCO, the US EPA and states adopting the OTC VOC rules.



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## ORDERING INFORMATION

TABLE 2: ORDERING INFORMATION OF WD-40 LUBRICANT

PART NUMBER	SIZE	QTY/BOX
12WD40120ZS	11 oz. Can	1