

# WD-40 LUBRICANT

## SMART STRAW

CERTIFICATION

MATERIAL SAFETY DATA



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**WD-40 LUBRICANT**

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**SECTION 1: IDENTIFICATION****1.1 PRODUCT IDENTIFIER**

**Product Name:** WD-40 Lubricant with Smart Straw  
**Product Identifier:** 12WD4012OZS  
**Product Uses/Class:** Lubricant, Penetrant, Drives Out Moisture, Removes and Protects Surfaces From Corrosion  
**Supplier:** Allfasteners USA, LLC.  
**Preparer:** Regulatory Department  
**Revision Date:** 3/5/19  
**Supersedes:** NEW

**1.2 SUPPLIERS DETAILS**

**Company Name:** Allfasteners USA LLC  
480 Meadow Lane  
Carlstadt, NJ 07072  
United States  
**Telephone:** 888.859.6060  
**Fax:** 201.783.8840  
**Email:** sales@allfasteners.com

**1.3 EMERGENCY PHONE NUMBER**

**Emergency Telephone:** 888.859.6060

**SECTION 2: HAZARDOUS IDENTIFICATION****2.1 EMERGENCY OVERVIEW**

May cause eye, skin, or respiratory tract irritation. KEEP OUT OF REACH OF CHILDREN. Harmful if inhaled. Causes eye irritation. Combustible liquid and vapor. Use ventilation necessary to keep exposures below recommended exposure limits, if any.

**2.2 HAZCOM 2012/GHS CLASSIFICATION**

Flammable Aerosol Category 1

Gas Under Pressure: Compressed Gas

Aspiration Toxicity Category 1

Specific Target Organ Toxicity Single Exposure Category 3 (Nervous System Effects).

Note: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The actual container label will not include the label elements below. The labeling below applies to industrial/professional products.

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**2.2 HAZCOM 2012/GHS CLASSIFICATION (CONT'D)**

Hazard Pictograms:

**Danger:** Extremely Flammable Aerosol

Contains gas under pressure; may explode if heated.

May be fatal if swallowed and enters airways.

May cause drowsiness or dizziness.

**Prevention** Keep away from heat, sparks, open flames, hot surfaces - No smoking.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

Avoid breathing vapors or mists.

Use only outdoors or in a well-ventilated area.

**Response** IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell..

**Storage** Store locked up.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place.

**Disposal** Dispose of contents and container in accordance with local and national regulations.

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 HAZARDOUS SUBSTANCES****TABLE 1: HAZARDOUS SUBSTANCES**

INGREDIENT	CAS #	WEIGHT PERCENT	US HAZCOM 2012/GHS CLASSIFICATION
LVP Aliphatic Hydrocarbon	64742-47-8	45-50%	Aspiration Toxicity Category 1
Petroleum Base Oil	64742-56-9 64742-65-0 64742-53-6 64742-54-7 64742-71-8	<35%	Not Hazardous
Aliphatic Hydrocarbon	64742-47-8	<25%	Flammable Liquid Category 3 Aspiration Toxicity Category 1 Specific Target Organ Toxicity Single Exposure Category 3 (nervous system effects)
Carbon Dioxide	124-38-9	2-3%	Simple Asphyxiant Gas Under Pressure, Compressed Gas

Note: The specific chemical identity and exact percentages are a trade secret.

**SECTION 4: FIRST AID MEASURES****4.1 DESCRIPTION OF FIRST AID MEASURES**

<b>Ingestion</b>	Aspiration Hazard. DO NOT induce vomiting. Call physician, poison control center or the WD-40 Safety Hotline at 1-888-324-7596 immediately.
<b>Eye Contact:</b>	Flush thoroughly with water. Remove contact lense if present after the first 5 minutes and continue flushing for several more minutes. Get medical attention if irritation persists.
<b>Skin Contact:</b>	Wash with soap and water. If irritation develops and persists, get medical attention.
<b>Inhalation:</b>	If irritation is experienced, move to fresh air. Get medical attention if irritation or other symptoms develop and persist.
<b>Signs and Symptoms of Exposure:</b>	Harmful or fatal if swallowed. Aspiration of liquid into the lungs during swallowing or vomiting may cause lung damage. May cause eye and respiratory irritation. Inhalation of mists or vapors may cause drowsiness, dizziness and other nervous system effects. Skin contact may cause drying of the skin..  Immediate medical attention is needed for ingestion.

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**SECTION 5: FIRE-FIGHTING MEASURES****5.1 EXTINGUISHING MEDIA**

**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.

**Specific Hazards Arising from the Chemical:** 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 and hydrocarbons.

**Special Firefighting 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.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 PERSONAL PRECAUTIONS PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Wear appropriate protective clothing (see Section 8). Eliminate all sources of ignition and ventilate area.

**6.2 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.

**SECTION 7: HANDLING AND STORAGE****7.1 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.

**7.2 CONDITIONS FOR SAFE STORAGE**

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.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL****8.1 CONTROL PARAMETERS****TABLE 2: CONTROL PARAMETERS**

CHEMICAL	OCCUPATIONAL EXPOSURE LIMITS
LVP Aliphatic Hydrocarbon	1200 mg/m3 TWA (manufacturer recommended)
Petroleum Base Oil	5mg/m3 TWA (Inhalable) ACGIH TLV (as Mineral Oil) 5mg/m3 TWA OSHA PEL (as Oil mist, mineral)
Aliphatic Hydrocarbon	1200 mg/m3 TWA (manufacturer recommended)
Carbon Dioxide	5000 ppm TWA, 30,000 ppm STEL ACGIH TLV 5000 ppm TWA OSHA PEL

**8.2 RECOMMENDED CONTROLS FOR NORMAL CONSUMER USE OF PRODUCT**

**Engineering Controls:** Use in a well-ventilated area

**Personal Protection:** N/a

**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 needed for normal use with adequate ventilation.

**8.3 RECOMMENDED CONTROLS FOR BULK PROCESSING/WORKPLACE USE OF PRODUCT**

**Engineering Controls:** Use adequate general and local exhaust ventilation to maintain exposure levels below that occupational exposure limits.

**Personal Protections:** N/a

**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 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 hygiene practice.

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

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Light Amber Liquid	<b>Flammable Limits:</b>	LEL: 0.6% UEL: 8%
<b>Odor:</b>	Mild Petroleum Odor	<b>(Solvent Portion)</b>	
<b>Odor Threshold:</b>	Not Established	<b>Vapor Pressure:</b>	95-115 PSI @ 70°F
<b>Freeze Point:</b>	Not Established	<b>Vapor Density:</b>	Greater than 1 (air=1)
<b>pH:</b>	Not Applicable	<b>Relative Density:</b>	0.8-0.82 @ 60°F
<b>Boiling Point/Range:</b>	361-369°F (183-187°C)	<b>Partition, Coefficient, N-Octanol/Water:</b>	Not Established
<b>Flash Point:</b>	138°F (59°C) Tag Closed Cup (liquid)	<b>Autoignition Temperature:</b>	Not Established
<b>Solubilities:</b>	Insoluble in Water	<b>Decomposition Temp:</b>	Not Established
<b>Evaporation Rate:</b>	Not Established	<b>Viscosity:</b>	2.79-2.96 cST @ 100°F
<b>Flammability (solid,-gas):</b>	Flammable Aerosol	<b>Pour Point:</b>	-63°C (-81.4°F) ASTM D-97
<b>VOC:</b>	24.1% MIR=0.43gO3/gVOC		

**SECTION 10: STABILITY AND REACTIVITY****10.1 STABILITY AND REACTIVITY**

<b>Conditions to Avoid:</b>	Avoid heat, sparks, flames and other sources of ignition. Do not puncture or incinerate containers.
<b>Reactivity:</b>	Not reactive under normal conditions.
<b>Chemical Stability</b>	Stable
<b>Possibility of Hazardous Reactions:</b>	May react with strong oxidizers generating heat.
<b>Incompatible Materials:</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Carbon monoxide and carbon dioxide.

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**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 EFFECTS OF OVEREXPOSURE - INHALATION**

High concentrations may cause nasal and respiratory irritation and central nervous systems effects such as headache, dizziness and nausea. Intentional abuse may be harmful or fatal.

**11.2 EFFECTS OF OVEREXPOSURE - SKIN**

Prolonged and/or repeated contact may produce mild irritation and defatting with possible dermatitis.

**11.3 EFFECTS OF OVEREXPOSURE - EYES**

Contact may be irritating to eyes. May cause redness and tearing.

**11.4 EFFECTS OF OVEREXPOSURE - 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, serve lung damage and death.

**11.5 EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS**

None expected

**11.6 CARCINOGEN STATUS**

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

**11.7 REPRODUCTIVE TOXICITY**

None of the components are considered a reproductive hazard.

**11.8 NUMERICAL MEASURES OF TOXICITY**

Acute Toxicity Estimates: Oral > 5,000 mg/kg; Dermal > 2,000 mg/kg based on an assessment of the ingredients. This product is not classified as toxic by established criteria. It is an aspiration hazard.

**SECTION 12: ECOLOGICAL INFORMATION****12.1 ECOTOXICITY**

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

**12.2 PERSISTENCE AND DEGRADABILITY**

Components are readily biodegradable.

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Bioaccumulation is not expected based on an assessment of the ingredients.

**12.4 MOBILITY IN SOIL**

No data available

**12.5 OTHER ADVERSE EFFECTS**

None known

**SECTION 13: DISPOSAL INFORMATION****13.1 DISPOSAL INFORMATION**

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. Do not puncture or incinerate containers, even empty. Dispose in accordance with federal, state, and local regulations.

**SECTION 14: TRANSPORT INFORMATION****14.1 TRANSPORT INFORMATION**

<b>DOT Surface Shipping Description:</b>	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)
<b>IMDG Shipping Description:</b>	UN1950, Aerosols, 2.1, LTD QTY
<b>ICAO Shipping Description:</b>	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.

**SECTION 15: REGULATORY INFORMATION****15.1 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.

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Acute Health, Fire Hazard, Sudden Release of Pressure..

**SARA TITLE III - SECTION 313 TOXIC CHEMICALS**

This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

**SARA TITLE III - 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

**CALIFORNIA PROPOSITION 65**

This product does not require a California Proposition 65 warning

**VOC REGULATIONS**

This product complies with the consumer product VOC limits of CARB, the US EPA and states adopting the OTC VOC rules.

**15.2 INTERNATIONAL REGULATIONS****CANADIAN ENVIRONMENTAL PROTECTION ACT**

All of the ingredients are listed on the Canadian Domestic Substances List or exempt from notification

**SECTION 16: OTHER INFORMATION****16.1 OTHER INFORMATION****HMIS HAZARD RATING**

Health - 1 (slight hazard), Fire Hazard - 4 (severe hazard), Physical Hazard - 0 (minimal hazard)

**16.2 DISCLAIMER**

Allfasteners, USA believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of its safety data sheet. However, because the conditions of handling, use and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Allfasteners, USA makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine other final suitability of this information and comply with the applicable international, federal, state and local laws and regulations.