



WD-40® MULTI-USE PRODUCT

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

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, bare steel, and outdoor equipment. It penetrates to free stuck corroded parts like nuts, bolts, valves, and locks. It displaces moisture to restore wet or flooded equipment such as engines, spark plugs, and power tools.

PRODUCTS



Precision Pen
9mL



Smart Straw®
8oz, 11oz & 12oz



EZ-REACH®
14.4oz



Industrial Size
16oz



Big Blast®
18oz



Handy Can
3oz



Trigger Pro®
Non-Aerosol 20oz



Bulk Liquid
1, 5 & 55 Gallon

PHYSICAL & CHEMICAL PROPERTIES

BOILING POINT (INITIAL):	183°C (360°F)	COLOR :	Light amber cloudy liquid
SOLUBILITY IN WATER:	Insoluble	ODOR:	Characteristic
FREEZE POINT/ POUR POINT:	<-63°C (-81°F) (ASTM D-97)	VAPOR DENSITY:	>1
KINEMATIC VISCOSITY @ 38° C (100° F)	2.8 cSt	VOC:	24.5% by weight
FLASHPOINT:	59°C (138°F) (TCC)	APPEARANCE:	Aerosol - Aerosolized Liquid Bulk - Liquid
VAPOR PRESSURE:	Aerosol - 95-115 psi @ 21° C (70° F) Bulk - 1 psi @ 38° C (100° F) (ASTM D323)	FLAMMABLE LIMITS:	LEL: 0.6% UEL: 8.0%
OPERATING TEMPERATURE:	-50°C to 150°C (-60° F to 300° F)	SPECIFIC GRAVITY @ 25° C (77° F)	0.81
DIELECTRIC STRENGTH:	38,000 volts per 0.10 inch	PERCENT VOLATILE:	70-75% by weight
WET FILM THICKNESS:	50 um (0.002 inch)	Kb VALUE:	25
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 hydrocarbons. 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 RESULTS

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



WD-40® MULTI-USE PRODUCT

PACKAGING SPECIFICATIONS

ORDER#	CASE# / GTIN#	ITEM# / UPC#	DESCRIPTION	INDIVIDUAL UNIT					CASE PACK					PALLET						
				APPROX WT (OZ)	DIMENSIONS (IN)			CUBE	CASE PACK	APPROX WT (LBS)	DIMENSIONS (IN)			CUBE	APPROX WT (LBS)	CASES/LAYER	LAYERS	TOTAL QTY	APPROX HT (IN)	CUBE
					WIDTH	DEPTH	HEIGHT				WIDTH	DEPTH	HEIGHT							
490743	1 00 79567 497074 3	0 79567 49073 6	WD-40® 9mL Precision Pen 1Pk 12Ct CS	0.960	2.250	0.625	8.250	0.007	12	1.32	6.187	6.687	8.687	0.208	319	42	5	2520	49.250	54.73
490740	2 00 79567 49074 0	0 79567 49074 6	WD-40® 9mL Precision Pen ClipStrp 1Pk 24Ct	0.960	2.250	0.625	8.250	0.007	24	2.30	8.750	32.250	1.625	0.265	364	5	28	3360	51.000	56.67
490736	1 00 79567 49073 6	0 79567 49073 9	WD-40® 9mL Precision Pen 3Pk 6Ct CS	2.576	4.000	0.625	7.125	0.010	6	1.246	4.562	6.937	8.187	0.150	403	58	5	1740	46.753	51.95
490733	2 00 79567 49073 3	0 79567 49073 9	WD-40® 9mL Precision Pen 3Pk 48Ct CS	2.576	4.000	0.625	7.125	0.010	48	8.428	7.812	13.312	8.250	0.496	801	18	5	4320	46.750	51.94
490358	3 00 79567 49035 8	0 79567 49035 7	WD-40- 2.75oz 12pk	4.800	1.750	1.750	5.312	0.009	12	3.90	5.688	7.625	6.000	0.15	666	20	8	160	53.250	59.17
490002	1 00 79567 49000 2	0 79567 49000 5	WD-40- 3oz O/S 12pk	5.000	1.750	1.750	4.875	0.009	12	3.77	5.625	7.500	5.500	0.13	1663	43	10	430	60.250	66.94
490009	2 00 79567 49000 9	0 79567 49000 5	WD-40- 3oz Clipstrip 24pk	5.000	1.750	1.750	4.875	0.009	24	7.94	5.313	21.060	5.125	0.33	1233	10	15	150	82.125	91.25
490027	4 00 79567 49002 7	0 79567 49002 9	WD-40- 8oz Smart Straw- 6pk	11.400	2.625	2.625	6.750	0.027	6	4.78	5.750	8.375	7.375	0.21	1280	37	7	259	56.875	63.19
490026	4 00 79567 49002 6	0 79567 49002 9	WD-40- 8oz Smart Straw- 12pk	11.400	2.625	2.625	6.750	0.027	12	9.60	8.250	10.687	7.250	0.37	1319	19	7	133	56.000	62.22
490020	3 00 79567 49002 0	0 79567 49002 9	WD-40- 8oz Smart Straw- P/P Display 48ct	11.400	2.625	2.625	6.750	0.027	48	38.30	17.313	23.250	8.313	1.94	808	4	5	20	46.813	52.01
490024	5 00 79567 49002 4	0 79567 49002 9	WD-40- 8oz 96ct H/S	11.400	2.625	2.625	6.750	0.027	96	76.62	13.000	17.625	36.125	4.79	578	7	1	7	41.375	45.97
490040	1 00 79567 49004 0	0 79567 49004 3	WD-40- 11oz Smart Straw- 12pk	15.600	2.625	2.625	8.125	0.032	12	12.30	8.250	10.687	8.630	0.44	1444	19	6	114	57.030	63.37
490047	2 00 79567 49004 7	0 79567 49004 3	WD-40- 8oz Smart Straw- P/P Disp 48ct	15.600	2.625	2.625	8.125	0.032	48	51.19	17.313	23.250	9.750	2.27	1066	4	5	20	54.000	60.00
490057	1 00 79567 49005 0	0 79567 49005 0	WD-40- 12oz Smart Straw- 12pk	16.600	2.625	2.625	8.625	0.034	12	13.00	8.250	10.688	9.180	0.47	1524	19	6	114	60.330	67.03
490054	2 00 79567 49005 4	0 79567 49005 0	WD-40- 12oz SS 96ct Case Stacker	16.600	2.625	2.625	8.625	0.034	96	107.04	13.000	17.625	36.125	4.79	791	7	1	7	41.375	45.97
490051	2 00 79567 49005 1	0 79567 49005 0	WD-40- 12oz Smart Straw- P/P Disp 48ct	16.600	2.625	2.625	8.625	0.034	48	54.31	17.313	23.250	10.250	0.00	1128	4	5	20	56.500	62.78
490194	1 00 79567 49019 4	0 79567 49019 7	WD-40- 14.4oz EZ-REACH- 6ct O/S	19.840	2.625	2.625	9.750	0.039	6	7.87	5.750	8.375	10.370	0.29	1498	37	5	185	57.100	63.44
490195	4 00 79567 49019 5	0 79567 49019 7	WD-40- 14.4oz EZ-REACH- 96ct H/S	19.840	2.625	2.625	9.750	0.039	96	135.29	20.000	24.000	35.688	9.91	583	4	1	4	40.938	45.49
490199	6 00 79567 49019 9	0 79567 49019 7	WD-40- 14.4oz EZ-REACH- 48ct DS	19.840	2.625	2.625	9.750	0.039	48	67.88	13.250	17.625	40.563	5.48	517	7	1	7	45.813	50.90
490095	1 00 79567 49009 5	0 79567 49009 8	WD-40- 18oz Big Blast- 12pk O/S	22.900	2.750	2.750	10.125	0.044	12	17.80	8.750	11.500	10.750	0.63	1181	16	4	64	48.250	53.61
490092	2 00 79567 49009 2	0 79567 49009 8	WD-40- 18oz Big Blast- 6pk O/S	22.900	2.750	2.750	10.125	0.044	6	9.05	5.870	8.750	10.875	0.32	1272	34	4	136	48.750	54.17
490108	2 00 79567 49010 8	0 79567 49010 4	WD-40- 20oz Trigger Pro- 6pk	22.400	3.750	2.870	11.250	0.070	6	10.13	7.813	10.563	12.250	0.59	933	22	4	88	54.250	60.28
490101	1 00 79567 49010 1	0 79567 49010 4	WD-40- 20oz Trigger Pro- 12pk	22.400	3.750	2.870	11.250	0.070	12	19.25	14.563	15.188	12.625	1.62	389	6	3	18	43.125	47.92
490118	1 00 79567 49011 8	0 79567 49011 1	WD-40- 1 Gallon Liquid O/S CA 4pk	7.9 lbs.	6.625	4.250	10.250	0.167	4	32.60	8.8125	13.8125	11.000	0.77	1998	15	4	60	49.500	55.34
49012	1 00 79567 49012 5	0 79567 49012 8	WD-40- 5 Gallon Liquid	40 lbs.	11.333	11.333	13.667	1.020	1	40.00	11.333	11.333	13.667	1.02	1722	14	3	42	46.251	51.39
49013	1 00 79567 49013 5	0 79567 49013 5	WD-40- 55 Gallon Liquid	420 lbs.	22.750	22.750	35.000	10.480	1	420.00	22.750	22.750	35.000	10.48	1722	4	1	4	40.250	44.72





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SPECIAL USE WARNINGS

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.

WD-40 Multi-Use Bulk Liquid: DANGER! Combustible liquid. 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 (Breathing): 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 (Swallowed): 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; **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 (Prop 65):** This product does not require a California Proposition 65 warning; **VOC Regulations:** This product complies with the consumer product VOC limits of CARB, LADCO, the US EPA and states adopting the OTC VOC rules.