



700 Kingsland Drive
 PO Box 1928
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 Phone: (630) 232-7966
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www.Radcoind.com

MILITARY FLUIDS(TDS)

MIL-PRF-63460E(4)

RADCOLUBE® CLP

(CLEANER, LUBRICANT, AND PRESERVATIVE)

RADCOLUBE® CLP is for cleaning, lubricating and short-term preservation of small and large caliber military weapons, operating in the temperature range of -51 to + 71 Degrees C (-60 to +160 Degrees F). Meets MIL-PRF-63460E(4), NATO Code Number S-758.

CLEANER: Formulated to keep small and large caliber weapons performing in the harshest conditions. Exceeds U.S. Government CLP military specifications, approved for use in extreme environments including cold, salt, and dust.

LUBRICANT: Helps weapons perform continuously at maximum firing rate without incident. Proven in extreme conditions with a fire rate of 650 rounds/min with zero stoppages.

PRESERVATIVE: Trusted by the U.S. Military and approved by the U.S. Government to keep their weapons battle ready. Let RADCOLUBE CLP help protect your weapon.

Qualification Number: AR-16-10

Qualification Date: 3-October-2016

Military Symbol: CLP

ISO 9001:2008 Certification Number: C2015-00068

National Stock Numbers Available From Radco

9150-01-102-1473	0.5oz Bottle with Twist Cap
9150-01-079-6124	4oz Bottle with Twist Cap
9150-01-054-6453	1 Pint Bottle with Trigger Sprayer
9150-01-327-9631	1 Liter Bottle with Trigger Sprayer
9150-01-053-6688	1 Gallon Jug

<u>Property</u>	<u>Requirement</u>	<u>Result</u>	<u>Verification</u>
Graphite content	None	None	Paragraph 4.1.2
Ozone depleting substances (ODSs) content	None	None	Paragraph 4.2.2
Toxicity and hazardous materials content	None	None	Paragraph 4.2.3



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Color and appearance	Pass	Pass	Paragraph 4.2.4
Flash Point, minimum (min)	65°C (149°F)	188°C (370°F)	ASTM D92
Pour Point, maximum (max)	-59°C (-74°F)	-62°C (79.6°F)	ASTM D97
Viscosity, Kinematic, cSt (with solvent) at 40°C (104°F), min (with solvent evaporated) at -40°C (-40°F), max	14.0 5,000	14.9 2,700	ASTM D445 ASTM D445; D972
Wear Preventive Characteristics, mm max	0.8	0.64	ASTM D4172
Load Carrying Capacity, pounds min	500	Pass	ASTM D5620
Corrosion Production, mg/cm² max Aluminum Brass Steel Cadmium Copper Magnesium Zinc	0.2 mg/cm ² 1.0 mg/cm ² 1.5 mg/cm ² 1.5 mg/cm ² 0.5 mg/cm ² 1.5 mg/cm ²	0.00 -0.01 -0.01 -0.04 0.00 0.02	Paragraph 4.3.1
Chemical Agent Detector Paper	Pass	Pass	Paragraph 4.3.2
Humidity Resistance after 900 hours	Pass	Pass	ASTM D1748
Salt-spray Resistance after 100 hours	Pass	Pass	ASTM D1748
Water Displacement/Stability	Pass	Pass	FTM ¹ 3007
Firing Residue Removal, min	40%	Pass	Paragraph 4.5.1
Cold Temperature - Weapons Firing	Pass	Pass	Paragraph 4.5.2.6
Sand/dust environments - Weapons Firing	Pass	Pass	Paragraph 4.5.2.7
Salt-spray environment - Weapons Firing	Pass	Pass	Paragraph 4.5.2.7

Manufacturing Location: Batavia IL 60510