LPS 3®
PREMIER RUST INHIBITOR

LPS 3® Premier Rust Inhibitor is a specially formulated long-term corrosion inhibitor protecting metal parts in inside storage for up to two years. When applied it forms a soft, translucent, waxy film sealing out moisture, air, acid, alkali fumes, and other corrosive elements.

FEATURES

- Protects for up to 2 years indoors
- Prevents rust and corrosion
- Provides non-sling lubrication
- Self-healing, soft, waxy film
- Penetrates to displace moisture
- Inhibits exfoliation and filiform corrosion of aluminum
- Safe on all metals
- NSF® Certified: H2 Registration # 129027 (Aerosol); # 059849 (Bulk)
- Acceptable for use in Canadian Food Processing Establishments

SPECIFICATIONS AND APPROVALS

Approved/Qualified to:

- ASTM F-945
- Bombardier deHavilland DHMS C4.12 Type I Grade 3
- Embraer EMB 120 Brasilia C.P.M. 120/1811 Type A-1
- Lockheed Martin EPSN G39.2004
- Lockheed Martin Heavy Duty CPC 2b
- McDonnell Douglas DMS 2150
- Pratt & Whitney PWA 36604
- Pratt & Whitney Canada LCPMC 79133 Rev. D
- Saab 340 Maintenance Manual
- United Airlines
- United Technologies USBI 99606-0012
- MIL-C-83933A
- MIL-PRF-16173E Grade 2 Class 1
- **NSN** 8030-00-118-0666 (11 wt. oz.)
- **NSN** 6850-00-363-0841 (1 gal.)

PACKAGE SIZES

Net Contents	Part No.
11 wt.oz. / 312 g/ 380 mL aerosol	00316
20 fl.oz (591 mL) trigger spray	00322
1 gal. (3.78 L)	03128
5 gal. (18.93 L)	00305
55 gal. (208 L)	00355
312 g/ 11 wt.oz. /380 mL aerosol (Canada)	C30316

APPLICATIONS

- Aircraft fuselages
- Battery terminals
- Cables, chains, and pulleys
- Cargo sections
- Interior sections of vehicle doors
- Metal parts
- Pumps and hose assemblies

CORROSION INHIBITOR

TECHNICAL DATA SHEET

LPS 3®

PREMIER RUST INHIBITOR

PROPERTIES

Appearance/physical state	Hazy Liquid	Color	Brown
Odor	Mild Cherry	Vapor pressure	Aerosol: ~4860 mmHg @20°C Bulk: >1.0mmHg @20°C
Boiling/Condensation point °F(°C)	Aerosol: 307°F (153°C) Bulk: 354°F (179°C)	Flash point °F(°C)	Aerosol: <73°F (23°C) Bulk: 104°F (40°C)
Specific gravity (water=1)	Aerosol: 0.84 – 0.87 @ 20°C Bulk: 0.81– 0.83 @ 20°C	Flash point method	Tag-Closed Cup
Solubility in water	Aerosol: 5% in water Bulk: Negligible	Auto ignition Temperature °F(°C)	Aerosol: >446°F (230°C) dispensed liquid Bulk: 469°F (246°C)
VOC	Aerosol: 64% per U.S. State & Federal Consumer Product Regulations Bulk: 79.1% per U.S. State & Federal Consumer Product Regulations	Pour Point °F(°C)	0°F (-18°C)
Flammable limits (estimated)	Lower: 1.0% Upper: 7.0%	Viscosity	200 – 600cPs @ 25°C
Volatiles	Aerosol: 70% – 80% Bulk: 70% – 90%	Coverage per gallon	401 ft^2/gallon @ 4 wet mils
Wet Film Thickness	3 – 7 mils	Dry Film Thickness	1 – 3 mils
Humidity Cabinet Test (ASTM D 1748)	No rust on 1029 steel panels after 30 days	Salt Spray Cabinet Test (ASTM D 177)	No corrosion on 2024-T3 aluminum panels after 1500 hours
Propellant	Carbon Dioxide	Corrosion Protection	Indoors: up to 2 years Outdoors: 9 months
Dry Time to Handle	6 – 8 hours	Full Cure	24 hours
Dielectric Strength	19.5kV	HMIS 1996	Aerosol: 1, 3, 0 Bulk: 1, 2, 0
Temperature Range °F(°C)	-40°F – 175°F (-40°C – 79°C)	HMIS III	Aerosol: 1, 4, 2 Bulk: 1, 2, 0
		Spray Pattern	Cone shaped mist

HANDLING

DO NOT spray into or around ignition sources. DO NOT allow material to come in contact with eyes or skin. Wear appropriate protective equipment during handling. Keep container closed. Avoid breathing vapors or mists. Use only with adequate ventilation. Wash hands and contaminated clothing thoroughly after handling.

STORAGE

Keep container in a cool, well-ventilated area. Avoid all sources of ignition (spark or flame). Store between 40°F and 120°F (4.4°C and 49°C).

Store aerosols as Level 3 Aerosol (NFPA 30B). Store all materials in a dry, well-ventilated area. Avoid breathing vapors.

DIRECTIONS

Aerosol: Shake well before using. Hold can 8 to 12 inches away from surface to be sprayed. Apply a light, even coat. For best results use at room temperature, 70°F (21°C). Attach extension tube for difficult to reach areas. Wipe off any excess. If an additional coat is desired, allow a minimum of 3 hours cure before applying second coat. Use only in well ventilated area. Avoid all sources of ignition (spark or flame).

Bulk: Stir container with mechanical stirrer to ensure product consistency. Brush, roll, or spray light even coat onto metal surface using paint sprayer or airless spray equipment. For best results use at room temperature 70°F (21°C). Wipe off any excess. If an additional coat is desired, allow a minimum of 3 hours cure before applying second coat. Use only in well ventilated area. Avoid all sources of ignition (spark or flame).

Always use proper personal protective equipment as listed on MSDS.

ADDITIONAL INFORMATION

Removal Information: Removal of LPS® 3 is best accomplished using a solvent such as LPS® PreSolve® or LPS® A-151 (mineral spirits will suffice but may require more time to remove). Apply degreaser via spraying, brushing or roller. Allow degreaser to dwell for 5 -10 minutes on surface. Agitation on surface with stiff brush may increase the effectiveness. Dwell time may vary depending on corrosion inhibitor thickness. Remove by wiping with absorbent rags or by scraping. Repeat process if complete removal is not achieved. Dispose of waste according to local and federal regulations.

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST OR VISIT OUR WEB SITE : WWW.LPSLABS.COM

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