



# PROCYON CORROSION INHIBITOR

LPS® Procyon is a heavy-duty corrosion inhibitor specially engineered for the aerospace industry. It forms a firm, transparent coating, for use by itself or as a topcoat in combination with LPS® 2®.



Visit [www.lpslabs.com/LPS\\_icons.html](http://www.lpslabs.com/LPS_icons.html) for more information

## FEATURES

- Multi-year protection of metal
- Durable, hard, transparent film
- Resistant to salt water, salt spray, moisture, acid, alkali fumes and other corrosive elements
- Wide operating temperature range
- Resists dripping and puddling during spray application
- Ready-to-use and can be applied with conventional airless or air-operated spray equipment

## SPECIFICATIONS AND APPROVALS

### Approved/Qualified to:

- Boeing BMS 3-29 Rev. D
- Bombardier Canadair CMS 565-006 Type II
- Bombardier deHavilland DHMS C4.12 Type II Grade 4
- Canadian Airlines Materials Manual Section 11-5 (GEN-8-98-1)
- deHavilland PPS ACN 16.01/2
- Delta Airlines
- Embraer EMB120 Brasilia C.P.M. 120/1181 Type A-2
- FedEx SRM 51-10-2
- Gulfstream GAC 115 AD
- Lockheed Martin CPC Penetrating 2a
- Polar Air Cargo
- Pratt & Whitney Canada CPMC 79138-1
- UPS M-5100-2780-B



## PACKAGE SIZES

### Net Contents

10 wt.oz. / 284 g/ 394 mL aerosol  
 1 gal. (3.78 L)  
 5 gal. (18.93 L)  
 55 gal. (208 L)

### Part No.

04216  
 04228  
 04205  
 04255

## APPLICATIONS

- Aircraft fuselages
- Bare metal
- Cargo sections
- Indoor equipment and tools
- Metal parts and machinery storage
- Underground installations



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## PROPERTIES

Appearance/physical state	Viscous Liquid	Color	Medium to dark brown
Odor	Cherry	Vapor pressure	2.6 mmHg at 20 °C
Boiling/Condensation point °F(°C)	320°F (160°C)	Flash point °F(°C)	107°F - 113°F (42°C - 45°C)
Specific gravity (water=1)	Aerosol: 0.76-0.78 @ 20°C Bulk: 0.88-0.90 @20°C	Flash point method	Tag-Closed Cup
Solubility in water	Insoluble in cold water	Auto ignition Temperature °F(°C)	>446°F (230°C)
VOC	Aerosol: 51.1% (392 g/L) per U.S. State & Federal Consumer Product Regulations Bulk: 52.2% (463 g/L) per U.S. State & Federal Consumer Product Regulations	Pour Point °F(°C)	Not Established (Best if used above 40°F (4°C))
Flammable limits (estimated)	Aerosol: 0.6% Bulk: 0.6% LOWER Aerosol: 12.8% Bulk: 6% UPPER	Viscosity	83 - 288 cSt @ 20°C
Volatiles	Aerosol: 74-77% Bulk: 52.2%	Coverage per gallon	267 ft2/gallon @ 6 wet mils
Wet Film Thickness	4 - 8 mils	Dry Film Thickness	2 - 4 mils
Humidity Cabinet Test (ASTM D 1748)	Not Established	Salt Spray Cabinet Test (ASTM D 177)	2500+ hours on Aluminum
Propellant (Aerosol)	Hydrocarbon	Corrosion Protection	Indoors: 36 months Outdoors: Not recommended
Dry Time to Handle	3 - 5 hours	Full Cure	24 hours
Dielectric Strength	Not Established	HMIS 1996	Aerosol: 1, 3, 0 Bulk: 1, 2, 0
Temperature Range °F(°C)	-40°F - 200°F (- 40°C - 93°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. Avoid contact with eyes, skin and clothing. Wear appropriate protective equipment during handling. Keep container closed. Do not breathe vapors or mists. Use only with adequate ventilation. Wash hands and contaminated clothing thoroughly after handling.

## 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 Procyon is best accomplished using a moderate strength solvent such as LPS® PreSolve® or LPS® A-151 (mineral spirits will suffice but may require more time to remove). Saturate the coating with the solvent using an aerosol or by brushing or rolling the solvent onto the corrosion inhibitor surface. Allow the degreaser to dwell on the surface for several minutes until the coating softens. Agitation with a stiff brush may increase effectiveness. Wipe and/or scrape the softened coating to remove. Dispose of waste according to local and federal regulations.

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST OR VISIT OUR WEB SITE : [WWW.LPSLABS.COM](http://WWW.LPSLABS.COM)

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## STORAGE

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

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