



HARDCOAT CORROSION INHIBITOR

HardCoat is a specially formulated, long-term corrosion inhibitor that offers multi-year protection for metal parts stored indoors. When applied, it penetrates and forms a durable, dry film which acts as an effective barrier, sealing out moisture, air, acid, and alkali fumes as well as other corrosive elements. In addition it does not attract dust or dirt. The tinted transparent film allows for good visual application and inspection of the treated surface.



NO CHLOR SOLV **NO SIL**



PACKAGE SIZES

Net Contents

- 10 wt.oz. / 284 g/ 396 mL aerosol
- 1 gal. (3.78 l)
- 5 gal. (18.93 l)
- 55 gal. (208 l)

Part No.

- 03316
- 03328
- 03305
- 03355

FEATURES

- 1500+ hours salt spray resistance on aluminum
- Commonly used on sides and tops of aircraft fuselages
- Resists dripping and puddling during spray application
- Durable, hard, transparent film
- Ready-to-use and can be applied with conventional airless or air-operated spray equipment
- Safe to use on most surfaces

SPECIFICATIONS AND APPROVALS

Approved/Qualified to:

- Bombardier (Canadair) CMS 565-06 Type I
- Bombardier DeHavilland DHMS C4.12 Type II Grade 3
- Delta Airlines
- Lockheed Martin Heavy Duty CPC 3a
- Polar Air Cargo

APPLICATIONS

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



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PROPERTIES

Appearance/physical state	Viscous liquid	Color	Aerosol: Red Bulk: Medium to dark brown
Odor	Cherry	Vapor pressure	2.60 mmHg @20°C
Boiling/Condensation point °F(°C)	320°F (160°C)	Flash point °F(°C)	Aerosol: 1.4°F (17°C) Bulk: 107°F (42°C)
Specific gravity (water=1)	0.87 - 0.89 @ 20°C	Flash point method	Tag-Closed Cup
Solubility in water	25 %	Auto ignition Temperature °F(°C)	446°F (230°C)
VOC	Aerosol: 50.7% (442 g/L) per U.S. State & Federal Consumer Product Regulations Bulk: 51.4% (451 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)	Not Established	Viscosity	30.6 - 37.4 cSt @20°C
Volatiles	Aerosol: 74% - 77% Bulk: 50% - 60%	Coverage per gallon	642 ft ² /gallon @ 2.5 wet mils
Wet Film Thickness	2.5 mils	Dry Film Thickness	1.3 mils
Humidity Cabinet Test (ASTM D 1748)	Not Established	Salt Spray Cabinet Test (ASTM D 177)	1500+ hours on aluminum
Propellant	Hydrocarbon	Corrosion Protection	Indoors: 26 months Outdoors: not recommended
Dry Time to Handle	3 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 - 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.

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 HardCoat 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

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