



# COLD GALVANIZE CORROSION INHIBITOR

The zinc rich, heat-resistant, galvanized coating for metal protection.



\* Aerosol only



## FEATURES

- Zinc-rich galvanized coating – Zinc Purity: 99+%
- Works like hot-dip galvanizing on ferrous metals indoors and out
- Withstands water temperature up to 212°F (100°C) and continuous dry heat up to 750°F (400°C)
- Commonly used as a flash rust preventive on welded areas
- Inhibits rust on steel under severe environments
- Provides a tough, flexible coating that will not yellow, chalk, crack, or peel
- Galvanic action electrochemically protects base metal
- Dries in 3-5 minutes
- Can be used as a paint primer
- Protects underwater
- Acceptable for use in Canadian Food Processing Establishments

## SPECIFICATIONS AND APPROVALS

Conforms to:

- ASTM A-780
- NSN 8010-00-214-7241 (LPS® Part# 00516)

## PACKAGE SIZES

### Net Contents

14 wt.oz. / 397 g/ 389 ml aerosol  
1 gal. (3.78 l)

### Part No.

00516  
05128

## APPLICATIONS

- |                               |                          |
|-------------------------------|--------------------------|
| ■ Air Conditioning Parts      | ■ Newly Welded Surfaces  |
| ■ Antennas                    | ■ Off-shore Rigs         |
| ■ Bridges                     | ■ Outside Storage Tanks  |
| ■ Chain Link Fences           | ■ Pipes                  |
| ■ Docks                       | ■ Plumbing               |
| ■ Ducts                       | ■ Pulley and Chain Cover |
| ■ Heating Parts               | ■ Structural Steel       |
| ■ Machine Housing             | ■ Tanks                  |
| ■ Material Handling Equipment | ■ Transmission Toner     |



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## PROPERTIES

Appearance/physical state	Liquid	Color	Light grey, opaque
Odor	Aromatic. Hydrocarbon-like	Vapor pressure	>1 kPa @ 25 °C
Boiling/condensation point °F(°C)	133°F (56°C)	Auto ignition temperature °F(°C)	869°F (465°C)
Specific gravity (water=1)	Aerosol: 1.76 @ 25°C Bulk: 2.3 @ 25°C	Flash point °F(°C) TCC	<77°F (25°C)
Viscosity	3000 – 4500 cSt	Spray pattern (aerosol)	Cone shaped
Wet film thickness	3 mils	Dry film thickness	1.5 mils
Propellant (aerosol)	Hydrocarbon	Corrosion protection	3+ years
Dry time to handle	3 – 5 minutes	Solubility in water	Insoluble
VOCs	Aerosol: 0.76 MIR per U.S. State and Federal Aerosol Coating Regulations Bulk: 336 g/L per U.S. State and Federal Architectural Coating Regulations	Salt spray cabinet test (ASTM B 117)	>288 hrs.
Volatiles	Aerosol: 25.7% (concentrate) Bulk: 23.5%	Coverage	Aerosol: 30.4 ft <sup>2</sup> /can Bulk: 533 ft <sup>2</sup> /gal.
Temperature range °F (°C)	- 40°F – 750°F (- 40°C – 399°C)	Full cure	6 hours

## DIRECTIONS

### Aerosol:

Brush off loose rust and apply to clean, dry surface. Polished surfaces do not provide a good anchor for the product. The surface should be roughened with a wire brush prior to applying the product. Shake can vigorously until ball inside moves freely. Spray with a sweeping motion with nozzle about one foot from surface. Dries to touch in 3 to 5 minutes in ambient conditions. Several thin coats at 6 hours intervals provide greater protection than one heavy application. To avoid clogging, turn can upside down after each use and spray a few short bursts.

### Bulk Mixing Instructions:

- Shake can or stir to assure blending of contents.
- Dilute contents with 10 to 20% (1 to 2 pints per gallon) by volume Xylene or Toluene for spraying, dipping or brushing. In VOC regulated areas, bulk can be diluted with 10 to 20% (1 to 2 pints per gallon) by volume Acetone if required.
- Mix well before, and during application to keep zinc in suspension.
- Apply to cleaned surface using overlapping strokes, making certain that all areas are completely covered.
- For greater protection, apply several thin coats allowing for adequate flash time between coats.
- Clean spray equipment thoroughly with undiluted Xylene, Toluene or Acetone.

Apply Cold Galvanize with temperatures above 45°F (7°C), you must monitor both the surface temperature of the metal and the dew point. The surface temperature must be at least 5 degrees greater than the dew point. **UNDER NO CIRCUMSTANCES IS COLD GALVANIZE TO BE APPLIED TO WET OR DAMP SURFACES; POOR ADHESION AND ULTIMATE COATING FAILURE WILL RESULT.**

## ADDITIONAL INFORMATION

**Repaint:** 6 hours air dry; 30 minutes when baked at 350°F (177°C) for 15 minutes

**Withstands:** Continuous dry heat up to 750°F (401°C); short period heat up to 1000°F (520°C); water temperature up to 212°F (100°C).

## HANDLING

DO NOT spray into or around ignition sources. After handling, always wash hands thoroughly with soap and water. Use only with adequate ventilation. DO NOT breathe vapors or spray mists.

## STORAGE

Keep container in a cool, well-ventilated area. DO NOT store near sources of ignition (spark or flame). Store below 120°F (49°C).

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

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