



# Cold Galvanize

## Corrosion Inhibitor



### 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

### APPLICATIONS

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

### SPECIFICATIONS AND APPROVALS

- ASTM A-780
- Canadian Food Inspection Agency
- Ford Motor Co.
- Inland Steel
- Kimberly-Clark
- NSN 8010-00-214-7241 (LPS® Part# 00516)
- Shell Oil

### PROPERTIES

<b>Appearance/physical state</b>	Aerosol: Gas, Bulk: Liquid
<b>Odor</b>	Aromatic. Hydrocarbon-like.
<b>Melting point/freezing point</b>	Not Available
<b>Boiling point/range</b>	Not Available
<b>Vapor pressure</b>	> 1 kPa @ 25°C
<b>Partition coefficient</b>	Not Available
<b>Percent volatile</b>	Aerosol: 55.4% , Bulk: 25.7%
<b>Flammability limit</b>	Aerosol: Lower 0.9%, Upper 10.5% , Bulk: Not available
<b>Propellant</b>	Aerosol: Hydrocarbon
<b>VOC Content</b>	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
<b>Color</b>	Light grey, opaque
<b>Flash point</b>	< 73.4°F (< 23.0°C)
<b>Relative density</b>	Not Available
<b>Evaporation rate</b>	Not Available
<b>Vapor density</b>	> 1 (air = 1)
<b>Auto-ignition temperature</b>	869°F (465°C)
<b>Viscosity</b>	3000 - 4500 cSt
<b>Specific Gravity (water=1)</b>	Aerosol: 1.76 @ 25°C Bulk: 2.3 @ 25°C
<b>Temperature Range °F(°C)</b>	- 40°F - 750°F (- 40°C - 399°C)
<b>4-Ball Weld Load</b>	Not Available

### DIRECTIONS

**Aerosol:** Brush off loose rust and apply to clean, dry surface. 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:** For best results, brush off loose rust and apply LPS® Cold Galvanize to a clean dry surface. Stir thoroughly. Thin with 1 pint of acetone per gallon of LPS® Cold Galvanize. Additional thinner can be added as needed. However, the maximum recommended amount is 2 pints thinner per gallon of product. Mix the thinner and product thoroughly. Apply by spraying, dipping or brushing. Several thin coats are better than one thick coat.

### HANDLING

**Aerosol:** Do not pierce or burn, even after use. Do not spray on a naked flame or any other incandescent material. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not breathe gas. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

**Bulk:** Do not handle, store or open near an open flame, sources of heat or sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not breathe the mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

### 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).

### DISPOSAL INFORMATION

Dispose of contents/container in accordance with local/regional/national/international regulations.

### AVAILABLE PRODUCTS

US	Part No.		Net Contents	Container Type	Units/Case	Case Weight
	Canada	Europe				
00516	C00516	M00516	14 wt oz / 397 g / 336 mL	aerosol	12	15 lbs
05128	C05128		1 gal / 3.78 L	can	1	20 lbs



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