



# 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 Tonnors

### SPECIFICATIONS AND APPROVALS

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

#### IS (IDENTIFICATION SYSTEM)



### AVAILABLE PRODUCTS

Part No.		Net Contents	Container	Case Pack	Case Wt.
US	Canada				
00516	C00516	14 wt. oz./397 g/336 mL	Aerosol	12	15 lbs.
05128	C05128	1 gal. (3.78 L)	Can	1	20 lbs.

### PROPERTIES

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