



# 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 Toner

### PROPERTIES

<b>Appearance / Physical State</b>	Aerosol: Gas, Bulk: Liquid
<b>Odor</b>	Aromatic. Hydrocarbon-like.
<b>Melting / 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</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>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</b>	Aerosol: 1.76 @ 25°C Bulk: 2.3 @ 25°C
<b>Temperature Range</b>	- 40°F - 750°F (- 40°C - 399°C)
<b>4-Ball Weld Load</b>	Not Available

### DIRECTIONS

Preparation: Brush off loose rust and apply to a clean, dry surface. The surface should be roughened with a wire brush and degreased with a residue-free solvent degreaser prior to application. Failure to sufficiently roughen and degrease the substrate may result in poor adhesion. Polished surfaces do not provide a good anchor for the product. Do not apply to wet or damp surfaces. Dries to touch in 3 to 5 minutes in ambient conditions. Several thin coats at 6-hour intervals provide greater protection than one heavy application.

Aerosol: Shake can vigorously until ball inside moves freely. Spray with a sweeping motion with nozzle about one foot from surface. To avoid clogging, turn can upside down after each use and spray a few short bursts.

Bulk: 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 of thinner per gallon of product. Mix the thinner and product thoroughly. Apply by spraying, dipping, or brushing.

For oily or greasy surfaces: Degrease with a residue-free solvent degreaser and allow to dry.

For lightly rusted surfaces: Use a wire brush or power tool to remove all loose rust, then degrease with a residue-free solvent degreaser and allow to dry.

For heavily rusted or mill scaled surfaces: Commercial grade sandblasting is required. To repair old, corroded hot-dip galvanizing: Wire brush to remove zinc salts and rust, then degrease with a residue-free solvent degreaser and allow to dry.

Preparing welds: Remove all slag and smooth all surface imperfections. Allow surface to cool, then degrease with a residue-free solvent degreaser and allow to dry. Apply LPS Cold Galvanize such that it overlaps the existing paint or galvanizing by at least 1".

Marginally prepared surfaces: Wire brush the paint blisters and rust to expose the bare metal. Degrease with a residue-free solvent degreaser and allow to dry. Apply LPS Cold Galvanize such that it overlaps the paint by at least 1".

### 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



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Part No.		Net Contents	Container Type	Units/Case	Approximate Case
US	Canada				