



**LPS LABORATORIES, INC.**  
**MSDS**  
**MATERIAL SAFETY DATA SHEET**

**Section 1 ° Product Identification and Use**

**Manufacturer's Name:**  
LPS Laboratories, Inc.

**Trade Name:**  
LPS Cold Galvanize

**Street Address:**  
4647 Hugh Howell Road

**Chemical Family:**  
Blended Compound

**City, State, Zip:**  
Tucker, GA 30085-5052

**Part Numbers:**  
00516, 05128

**Telephone Number:** 770-934-7800

**Emergency Telephone Number:** 1-800-424-9300 Chemtrec

**Outside U.S.:** 703-527-3887

**Hazardous Materials Description and proper shipping name (49 CFR 172.101):**

Aerosol: CONSUMER COMMODITY ORM-D NMFC 50093 SUB 2 CL55

Bulk: Paint (Flammable Liquid), 3, UN 1263, PG III

**TSCA Inventory:**  
All of the ingredients are listed on the TSCA inventory.

**HMSI Labeling:**  
**Health:** 2  
**Flammability:** 3  
**Reactivity:** 0

**Section 2 ° Hazardous Ingredients / Identity Information**

| Ingredients                         | CAS Numbers | %<br>Aerosol | %<br>Bulk | OSHA<br>PEL | ACGIH<br>TLV | OTHER<br>LIMITS |
|-------------------------------------|-------------|--------------|-----------|-------------|--------------|-----------------|
| Zinc Metal                          | 7440-66-6   | 30-50        | 50-70     | 15mg/m3*    | 10mg/m3*     | None            |
| Epoxy Ester Resin                   | -           | 1-5          | 1-5       | N.E.        | N.E.         | None            |
| Xylene                              | 1330-20-7   | 10-20        | 20-30     | 100 ppm     | 100 ppm      | 150 ppm STEL    |
| Acetone (Aerosol only)              | 67-64-1     | 10-30        | -         | N.E.        | 750 ppm      | 1000 pmSTEL     |
| Propane/Isobutane<br>(Aerosol only) | 68476-85-7  | 10-20        | -         | 1000 ppm    | N.E.         | None            |

\* nuisance dust

**Section 3 • Physical / Chemical Characteristics**

|  |       |  |      |
|--|-------|--|------|
| <b>Boiling point (F°):</b>             | 281°F | <b>Specific gravity (H2O = 1):</b>             | 2.10 |
| <b>Vapor pressure ( mmHg) @100°F :</b> | 21    | <b>Percent volatile by volume (%):</b>         | 57   |
| <b>Vapor density (Air = 1)</b>         | >2    | <b>Evaporation rate (n-Butyl Acetate = 1):</b> | 0.6  |
| <b>Solubility in water:</b>            | Nil   |  |      |

**Appearance and odor:** Gray opaque liquid, solvent odor.

**Section 4 • Fire and Explosion Hazard**

**Flash point (method used):** 80°F (Bulk) TCC      **Flammable limits (of diluent):** LEL: 1.2% UEL: 7.0%

**Extinguishing media:** Foam, dry chemical, carbon dioxide.

**Special fire fighting procedures:** Keep containers cool. Treat as Xylene.

**Unusual fire and explosive hazards:** Intensive heat created by fire will cause aerosols to burst.

N.E. = Not established

N.A. = Not applicable

**Section 5 • Health Hazard Data**

**Primary route(s) of entry:** Inhalation, eyes

**Health hazard/effects of over exposure:**

**Inhalation:** May cause CNS depression seen as headache, dizziness, nausea and anesthetic effects.

**Eyes:** Irritation.

**Skin:** Repeated or prolonged contact may cause drying of skin.

**Ingestion:** Can cause severe gastrointestinal distress. Aspiration into the lungs can cause chemical pneumonia which can be fatal.

**Medical conditions aggravated by exposure:** Pre-existing eye and skin disorders may be aggravated by exposure to acetone.

**Chemicals listed as potential carcinogen:** NTP: No IARC: No OSHA: No

**Emergency and first aid procedures:**

**Inhalation:** Move to fresh air. Contact physician. Administer oxygen if breathing is difficult.

**Eyes:** Flush eyes with plenty of water and contact physician.

**Skin:** Wash with soap and water; apply medicated skin cream.

**Ingestion:** Do not induce vomiting. Contact physician immediately. Minute amounts aspirated into lungs during ingestion may cause pulmonary injury.

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### Section 6 • Reactivity Data

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**Stability:** Stable      **Conditions to avoid:** Avoid sparks or open flames. See handling and storage precautions.

**Incompatibility (Materials to avoid):** Strong oxidizing agents.

**Hazardous decomposition products:** Thermal decomposition may yield carbon monoxide and zinc oxide.

**Hazardous polymerization:** Will not occur.

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### Section 7 • Precautions for Safe Handling and Use

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**Steps to be taken in case material is released or spilled:** Ventilate area by opening doors and windows. Remove ignition sources. Remove leaking container and transfer remaining product to another vessel. Prevent product from going into sewers and water sources by diking or impounding. Using appropriate safety equipment, mop up or soak up with absorbent material, such as sand or clay.

**Waste disposal methods:** Dispose of in accordance with local, state and federal regulations.

**RCRA Hazardous Waste No.:** This material has the RCRA characteristic of ignitability and if discarded in its purchased form, would have the hazardous waste number D001.

**CERCLA Reportable Quantity:** 1,000 Lbs.

**SARA TITLE III Chemicals:** Yes: CAS# 7440-66-6, CAS# 1330-20-7

**Precautions to be taken in handling and storage:** Store as Level 2 Aerosol (NFPA 30B). Store bulk below 110°F and above 32°F. Store away from ignition sources and avoid breathing vapors and mist. Avoid prolonged or repeated contact with skin.

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### Section 8 • Control Measures

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**Respiratory Protection:** None required if good ventilation is maintained. For enclosed areas, use NIOSH approved organic vapor cartridge respirator or self-contained breathing apparatus.

**Ventilation:** Local exhaust is usually adequate. However, mechanical ventilation should be used when spraying in enclosed areas. Vapor concentration should be minimized as much as possible.

**Protective gloves:** Use solvent resistant gloves for brushing and spraying.

**Eye protection:** Use face shield, goggles or safety glasses.

**Other protective equipment:** None.

**Work/hygienic practices:** Wash hands with soap and water after use and/or before breaks, lunch and at the end of work periods. Remove contaminated clothing and laundry before reuse.

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**Section 9 • Preparation Date of MSDS**

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August 20, 1996  
John Roudebush, Director of Research and Development  
LPS Laboratories, Inc.

Form # 2505  
LPS Cold Galvanize



# COLD GALVANIZE LPS®

## Corrosion Inhibitor

Right Choice.  
Right Now.

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

- 95% zinc-rich galvanized coating
- Prevents rust and corrosion on all metals
- Works as a paint primer over rust
- Commonly used as a flash rust preventative on welded areas
- Up to three years protection
- Heat resistant, flexible coating
- Withstands water temperature up to 212° F (100° C) and continuous dry heat up to 750° F (400° C)
- Meets or exceeds these specs: MIL-P-46105 weld through primer ASTM A-780
- Approved by Agriculture Canada for use in food processing plants

### Cold Galvanize is available in these sizes:

14 oz. (397 grams) aerosol Part No. 00516  
1 gal. (3.78 liters) 05128

### Typical applications where Cold Galvanize can be used:

- Chain Link Fences
- Pipes
- Ducts
- Newly Welded Surfaces
- Heating Parts
- Outside Storage Tanks
- Air Conditioning Parts
- Plumbing
- Machine Housing
- Pulley and Chain Cover
- Material Handling Equipment
- Structural Steel

### Bulk Mixing Instructions

1. Shake can or stir to assure blending of contents.
2. Dilute contents with 10 to 20% by volume (1 to 2 pints per gallon) Xylene or Toluene for spraying, dipping or brushing.
3. Mix well before, and during application to keep zinc in suspension.
4. Apply to cleaned surface using overlapping strokes, making certain that all area are completely covered.
5. For greater protection, apply several thin coats at 6 hours intervals.
6. Clean spray equipment thoroughly with undiluted Xylene or Toluene.

### General Information

LPS Cold Galvanize is a zinc rich coating that performs like a hot dip galvanize to prevent rust and corrosion on all types of metals for up to three years. Cold Galvanize works electro-chemically on all ferrous metals, providing rust corrosion protection indoor and out. Cold Galvanize can be used as a primer over rusted metal to repair hot dip galvanizing. Specially formulated Cold Galvanize provides a tough, flexible coating that won't crack or peel even in extreme heat or cold.

Material Safety Data Sheets are available upon request.

### Properties Film thickness:

1.5 mils approximately after single application

### Coverage:

Approximately 50 sq. feet/lb.

### Dry to touch:

3 to 5 minute with aerosol

### Repaint:

6 hours air dried; 30 minute when baked at 350° F (177° C) for 15 minutes

### Withstands:

Water temperature up to 212° F (100°C) continuous dry heat up to 750° F (401° C); short period heat up to 1,000° F (520°C)

### Propellant:

Hydrocarbon

### Right To Know

|                           |                |
|---------------------------|----------------|
| Zinc Metal                | 7440-6-6       |
| Xylene                    | 1330-20-7      |
| Trade Secret Registry No. | 00457000-5236P |
| Bentonite Clay            | 71011-27-3     |
| Sodium Aluminosilicate    | 1344-00-9      |
| Acetone (Aerosol only)    | 67-64-1        |
| Propane/Isobutane         | 68476-85-7     |



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CERTIFIED  
ISO 9002  
QUALITY MANAGEMENT SYSTEM