

MATERIAL SAFETY DATA SHEET

Product Identification: **CLEARCO COLD GALVANIZING SPRAY**

Manufactured By:
CLEARCO PRODUCTS CO., INC
3430-G PROGRESS DRIVE
BENSALEM, PA 19020
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SECTION 1 **CHEMICAL PRODUCT**

INGREDIENTS / COMPONENTS	% Weight	CAS Number	OSHA PEL (ppm)	ACGIH TLV (ppm)
Zinc Dust	35 to 40	7440-66-6	N/E	N/E
Liquefied Petroleum Gas LPG	25 to 30	68476-85-7	1,000	1,000
Methyl Ethyl Ketone	20 to 25	78-93-3	200	200
Urethane Polymer	<5	Trade Secret	N/E	N/E
Mineral Spirits	<5	8052-41-3	100	100
Xylene	<5	1330-20-7	100	100
Organoclay	<1	68911-87-5	N/E	N/E
Tetraethyl Silicate	<1	78-10-4	10	10

SECTION 2 **COMPOSITION/INFORMATION ON INGREDIENTS**

SECTION 3 **HAZARDS IDENTIFICATION**

Contents are Extremely Flammable and Under Pressure. Store below 120 deg F., out of sunlight and away from heat sources. Do Not puncture or incinerate. Avoid contact with skin and eyes. Vapor harmful. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

HMIS RATING: Health-1 Reactivity-0 Flammability-3 Equipment-B

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: Liquid or vapors cause redness, burning, tearing, swelling, and/or pain.

SKIN CONTACT: Frequent or prolonged contact can result in defatting and drying of the skin, which may result in skin irritation and dermatitis (rash).

INHALATION: Prolonged or repeated overexposure is anesthetic. May cause irritation of the respiratory tract, or acute nervous system depression characterized by headache, dizziness, staggering gait, or confusion.

INGESTION: Due to being an aerosol, product does not lend itself to ingestion. Should actual ingestion occur, it may cause irritation to membranes of the mouth, throat, and gastrointestinal tract, resulting in vomiting and/or cramps.

CARCINOGEN DATA: None of the ingredients in this product are listed with OSHA, IARC, or NTP as being carcinogenic.

MEDICAL CONDITIONS AGGRAVATED: Skin contact may aggravate an existing dermatitis. Others unknown.

PRIMARY ROUTES OF ENTRY: Inhalation, Dermal.

SECTION 4 **FIRST AID MEASURES**

EYE CONTACT: Immediately flush eyes with water for 15 minutes. Make sure to flush under the eyelids. If irritation persists, get medical attention.

SKIN CONTACT: Remove with soap and water. Continue flushing with water for several minutes. Use skin cream to counter resulting dryness. Consult a physician if irritation persists or if large skin area is affected.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist or if unconscious.

INGESTION: Unlikely due to being in an aerosol form. Should actual ingestion occur, **DO NOT INDUCE VOMITING.** Drink a glass of water or milk to dilute. Call a Physician or poison control immediately! Never give anything by mouth to an unconscious person.

SECTION 5 FIRE-FIGHTING MEASURES

Flash Point (Propellant): <0degrees F
Flammability Limits: LEL: 1.8% UEL: 9.5%

Extinguishing Media: For warehouse and storage conditions, use NFPA Class B extinguishers (CO2, dry chemical or universal aqueous film forming foam).

Special Fire Fighting Procedures: Use water spray to cool fire exposed aerosol containers for containers can rupture violently from heat developed pressure.

Unusual Fire & Explosion Hazards: Contents are under pressure and extremely flammable. In addition, when liquid or vapor comes into contact with flames or red hot metal, products of combustion will be created. Firemen should wear self-contained breathing apparatus

SECTION 6 ACCIDENTAL RELEASE MEASURES

CONTAINMENT PROCEDURES: Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, release content should be contained as any other solvent spill.

SPILL CLEANUP: Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove all sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.

SPECIAL INSTRUCTIONS: Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture, contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. **Aerosol can should never be incinerated or burned.** See Section 13 for disposal considerations.

REPORTING REQUIREMENTS: Spills due to the rupture of a single aerosol can are generally below any regulatory reporting requirements. However, if larger spills somehow result, the reporting requirements of the EPA and other local, state and federal agencies should be observed.

SECTION 7 STORAGE AND HANDLING

Avoid prolonged or repeated skin contact. Avoid breathing vapors. Store in area below 120 degrees F. Do not incinerate or burn containers. Assure that can is in a secure place to prevent knocking over and accidental rupture. Always replace overcap when not in use. For storage of pallet quantities, compliance with ANSI / NFPA 30B is recommended.

SECTION 8 EXPOSURE CONTROL / PERSONAL PROTECTION

Respiratory Protection: Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required an appropriate NIOSH

Protective Gloves: Neoprene.

Ventilation Requirements: Adequate ventilation to keep vapor concentration below TLV.

Other Protective Clothing & Equipment: None

Hygienic Work Practices: Wash with soap and water before handling food. Remove contaminated clothing.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: N/A

Vapor Pressure: PSIG @ 70 deg. F (Aerosols): Max. 80

Vapor Density (Air = 1): N/E

Solubility in Water: Partial

Appearance & Odor: Straw- Colored liquid with ketone Solvent odor

Specific Gravity (H2O = 1): Concentrate Only = 0.853

Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/A

Evaporation Rate (H2O = 1): N/A

Water Reactive: No

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid Instability: Not Applicable

Hazardous Polymerization: Will not occur

Conditions To Avoid: Not Applicable

Incompatibility (Materials to Avoid): Strong oxidizing agents

Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide

SECTION 11 TOXICOLOGICAL INFORMATION

Please refer to Section 3 for available information on potential health effects.

SECTION 12 ECOLOGICAL INFORMATION

No specific ecological data are available for this product. Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

SECTION 13 DISPOSAL CONSIDERATIONS

Please refer to Sections 5, 6, and 15 for disposal and regulatory information.

SECTION 14 TRANSPORT INFORMATION

SECTION 15 REGULATORY INFORMATION

SECTION 16 OTHER INFORMATION

This information relates to the specific material designed and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.