CYCLO® INDUSTRIES, LLC
MATERIAL SAFETY DATA SHEET

This MSDS is being provided to your company for the purpose of providing current health and safety information to your management and for your employees who work with this product. Please read the information on these sheets and then provide this information to those people at your company whose responsibility it is to comply with FEDERAL, STATE and COMMUNITY RIGHT TO KNOW regulations. Also, make this information available to any employee who requests it.

If Cyclo Industries, LLC considers the formula of this product to be a trade secret, the exact chemical names of the ingredient(s) and the percentages in which they are combined will not appear in the body of this sheet. The exact composition is available upon request to physicians, industrial hygienists and other health professionals.

SECTION 1 – PRODUCT & COMPANY IDENTIFICATION

Product Name: **Cyclo® Cold Galvanize, Stock No. C-800**

Product Use: Zinc-Rich primer for steel

Manufactured by: Cyclo Industries, LLC
10190 Riverside Drive, Palm Beach Gardens, Florida 33410-4881
Telephone: (561) 775-9600

First Aid Emergency: (800) 752-7869 or (312) 906-6194
Shipping Emergency: (800) 424-9300 or (703) 527-3887 (CHEMTREC)

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

CAS Reg. No.	Material	Percentage	Exposure Limits
7440-66-6	Zinc; Zinc Dust	15 – 20	5 mg/m^3 / OSHA PEL 10 mg/m^3 / ACGIH TLV as dust
108-88-3	Toluene	15 – 20	200ppm TWA / OSHA PEL 100 ppm / ACGIH TLV 200 ppm / ACC
67-64-1	Acetone	10 – 15	750 ppm / OSHA PEL 750 ppm / ACGIH TLV
1330-20-7	Xylene (mixed isomers)	1 – 10	100 ppm / OSHA PEL 100 ppm / ACGIH TLV
64742-94-5	Aromatic Petroleum Distillate	0.1 – 5	Not Established
100-41-4	Ethylbenzene (component of commercial xylene)	0.1 – 5	100 ppm (STEL 125 ppm) OSHA PEL / ACGIH TLV
64742-89-8	Petroleum Distillate, VM&P Naphtha	0.1 – 5	300 ppm / OSHA PEL 300 ppm / ACGIH TLV
78-93-3	2-Butanone, Methyl Ethyl Ketone	0.1 – 5	200 ppm / OSHA PEL 200 ppm / ACHIG TLV
1314-13-2	Zinc Oxide, Total Dust	0.1 – 5	10.0 mg/m^3 / OSHA PEL
74-98-6	Propane	15 – 25	1000 ppm / OSHA PEL Asphyxiant / ACGIH TLV

SECTION 3 – HAZARDS IDENTIFICATION

Effects of Overexposure:

Ingestion: Not a likely route of exposure.

Inhalation: Respiratory irritation, headache, nausea, fatigue, drowsiness, impaired coordination, central nervous system depression or heart arrhythmia.

Skin Contact: May dry the skin. Prolonged contact may cause moderate irritation. Not easily absorbed. Solvent action can dry and defat the skin causing the skin to crack, leading to dermatitis.

Eye Contact: Liquid or vapor can cause moderate to severe irritation.

Health Hazards (Acute and Chronic):

ACUTE: Eye and skin irritant. Narcotic in high concentrations. Severe overexposure may cause damage to the blood.

CHRONIC: Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system and other internal organ damage.

Carcinogenicity: NTP Carcinogen = No; IARC Monographs = No; OSHA Regulated = No

Medical Conditions Generally Aggravated by Exposure: Acute and chronic liver and kidney disease, anemia, coronary disease or rhythm disorders of the heart.

SECTION 4 – FIRST AID MEASURES

First Aid Procedures:

Ingestion: DO NOT induce vomiting. Seek medical advice and/or attention.

Skin Contact: Wipe off with towel. Wash with soap and water. Get medical attention if irritation persists.

Inhalation: Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.

Eye Contact: Wash immediately with large volumes of fresh water for at least 15 minutes. Get medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point: -156°F (-104°C) **Method Used:** Estimated

Flammable Limits in Air by Volume:

Lower Explosion Level (LEL) = 0.9 Upper Explosion Level (UEL) = 13

Extinguishing Media: Foam, CO_2, dry chemical, water fog

Special Fire Fighting Procedures: Water spray may be ineffective. Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat. If water is used, fog nozzles preferred. Wear goggles and self-contained breathing apparatus.

SECTION 5 – FIRE FIGHTING MEASURES continued

Unusual Fire and Explosion Hazards: Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Vapor accumulation can flash or explode if ignited. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention.

HMIS Code: Health = 2 Flammability = 4 Reactivity = 0

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill/Leak Procedures: Avoid breathing vapors. Ventilate area. Remove all sources of ignition. Clean up area with absorbent material and place in closed containers for disposal.

SECTION 7 – HANDLING AND STORAGE

Handling Procedures: Store and use in cool, dry, well-ventilated areas. Do not puncture or incinerate (burn) cans. Do not stick pin, nail or any other sharp object into opening on top of can. Do not spray in eyes. See product label for additional information. KEEP OUT OF THE REACH OF CHILDREN.

Storage Procedures: Store and use in cool, dry, well-ventilated areas. Do not store above 120°F (50°C). Small pressurized containers of flammable products may be stored in areas suitable for ordinary combustibles with respect to construction, drainage, control of ignition sources and ventilation except that they should not be stored in basements.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: None under normal use. Avoid breathing vapors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use approved air line type respirator or hood. Self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

Ventilation: Sufficient to prevent inhalation of solvent vapors. General dilution and/or local exhaust ventilation in volume or pattern to keep PEL/TLV of most hazardous ingredient below acceptable limit and LEL below stated limit.

Protective Gloves: None under normal use. Solvent resistant required for prolonged or repeated contact.

Eye Protection: None under normal use, however, use of safety glasses with splash guards or full face shield is recommended.

Other Protective Equipment: None under normal use, however, solvent resistant apron or other clothing is recommended.

Work/Hygienic Practices: Eye washes and safety showers in the workplace are recommended.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Range: -44°F - 350°F (-42°C - 177°C)

Specific Gravity (H_2O=1): 0.91

Vapor Pressure: Not determined

Vapor Density: Heavier than air

Solubility in Water: Slight

pH: Not determined

Percent Volatile By Volume (%): Not determined

Evaporation Rate (Butyl Acetate = 1): Slower than ether

Appearance and Odor: Aerosol product

Volatile Organic Compound (VOC) (% by weight): 51.8%

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Application to hot surfaces. Storage above 120°F. Exposure to open flame.

Incompatibility (materials to avoid): Strong oxidizing agents.

Hazardous Decomposition or Byproducts: May produce fumes when heated to decomposition. Fumes may contain carbon monoxide.

Hazardous Polymerization: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Long-term toxicological studies have not been conducted for this product. See Section 3 of this MSDS for acute symptoms of overexposure and carcinogenicity information.

SECTION 12 – ECOLOGICAL INFORMATION

Aquatic/Terrestrial Toxicity Environmental Fate: No data is available at this time.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of in accordance with local, state and federal regulations. Before attempting clean up, refer to other sections of this MSDS for hazard caution information.

SECTION 14 – TRANSPORT INFORMATION

U.S. DOT

Shipping Description: Consumer Commodity ORM-D
ID Number: Not applicable
Hazard Class: Not applicable
Packing Group: Not applicable
Label: Not applicable
Placards: Not applicable

IMDG

Shipping Description: Aerosols, Ltd. Qty.
ID Number: UN 1950
Hazard Class: 2
Packing Group: Not Required
Label: Not Required
Markings: Not Required
Placards: Limited Quantity

SECTION 15 – REGULATORY INFORMATION

TSCA Inventory: All components of this product are listed on the Toxic Substance Control Act (TSCA) Inventory of chemical substances maintained by the U.S. Environmental Protection Agency.

SARA Extremely Hazardous Substances None

SARA Section 313 This product contains the following toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (SARA 313 – Toxic Chemical Release Reporting)

Chemical Name	CAS#	Weight %
Zinc; Zinc Dust	7440-66-6	15 – 20
Toluene	108-88-3	15 – 20
Xylene (mixed isomers)	1330-20-7	1 – 10
Ethylbenzene	100-41-4	0.1 – 5
2-Butanone, methyl ethyl ketone	78-93-3	0.1 - 5

CERCLA/Superfund (RQ):

Chemical Name	Reportable Quantity (in lbs.)
Zinc; Zinc Dust	1000
Toluene	1000
Acetone	5000
Xylene	100
Ethylbenzene	1000
2-Butanone, methyl ethyl ketone	5000

California Proposition 65: Toluene

SECTION 16 – OTHER INFORMATION

Document Date: 4/24/03 **Supersedes:** 4/17/02

Revisions: Added Sections 11, 12 and 15

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