

# MATERIAL SAFETY DATA SHEET

QPL, Inc.  
800 S. Acadia Road  
Thibodaux, LA 70301  
1-985-449-0660

After Business Hours, Emergency Only: 770-425-0114

## SECTION I – PRODUCT IDENTIFICATION

Product Name: **COLD GALVANIZE**

Chemical Family: Mixed Solvents

Latest Revision Date: 05/01

## SECTION II – HAZARDOUS INGREDIENTS & OTHER COMPONENTS

<u>Ingredient</u>	<u>% by Weight</u>	<u>Exposure Limits</u>		<u>CAS #</u>
		<u>OSHA PEL</u>	<u>ACGIH TLV</u>	
Acetone	50-90	400		142-82-5
Xylene	10-30	100		1330-20-7
Butane	10-30	1000		106-97-8
Propane	10-30	800		74-98-6
Zinc dust	10-30	5 mg/m3 of air		not reported

THIS PRODUCT MAY CONTAIN ONE OR MORE MATERIALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACTS OF 1986 AND OF 40 CFR 372. SEE SECTION X FOR SPECIFIC MATERIALS

## SECTION III – PHYSICAL DATA

<u>Boiling Point:</u>	Concentrate only: 98.4°C	<u>Specific Gravity (Water = 1):</u>	Concentrate Only: 0.68
<u>Vapor Pressure:</u>	psig @ 70 Deg. F = 40-60 psig	<u>Percent Volatile by Wt:</u>	98.0
<u>Vapor Density (Air=1):</u>	>1	<u>Evaporation Rate (Ethyl Ether=1):</u>	<1
<u>Solubility in Water:</u>	Insoluble		
<u>Appearance/Odor:</u>	Clear, water white liquid with slight petroleum odor.		

## SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flammability Classification: Extremely Flammable aerosol per ASTM D-3065-77 Flame Extension Test For Aerosols. This is a warehouse storage Level 3 Aerosol.

Flash Point: Concentrate only: Approx. -90\* C

Flammable Limits:

LEL:

Not Est.

UEL:

Not Est.

Special Fire Fighting Procedures: Wear HIOSH approved self-contained breathing apparatus. Keep containers cool with water fog to prevent bursting.

Extinguishing Media: Foam, CO2, dry chemical.

Unusual Fire & Explosion Hazards: Contents under pressure. Exposure to temperatures exceeding 120 Deg. F. may cause bursting. Vapors are extremely flammable. Ruptured containers may “rocket” out of local area causing possible injury or spread of fire.

## SECTION V – HEALTH HAZARD DATA

Primary Route(s) of Entry:

Inhalation? yes

Dermal? yes

Ingestion? yes

Effects of Overexposure:

EYES: Slightly irritating but does not injure eye tissue.

SKIN: Low order of toxicity. Frequent or prolonged contact may irritate and cause dermatitis.

INHALATION: High vapor/aerosol combinations (greater than 1000 ppm) are irritating to the eyes and respiratory tract. Prolonged exposure to very high concentrations for prolonged periods may cause headaches, dizziness, leading to unconsciousness and even death in extreme cases.

INGESTION: Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may result in inflammation and possible fluid accumulation in the lungs.

Carcinogenicity: NPT? No

IARC? No

OSHA? No

Medical Conditions Generally Aggravated by Exposure: Health studies have shown that many petroleum hydrocarbons pose potential human risks, which may vary from person to person. As a precaution, exposure to liquids, vapors, mist of fumes should be minimized.

Emergency and First Aid Procedures:

EYES: Flush with large amounts of water until irritations subsides. If irritation persists, get medical attention.

SKIN: Flush with large amounts of water, use soap if available. Remove grossly contaminated clothing, including shoes and launder before reuse.

INGESTION: If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

INHALATION: Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

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## SECTION VI- REACTIVITY DATA

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Stability: Stable

Conditions to Avoid: Heat, sparks, open flames, exposure to direct sunlight.

Hazardous Decomposition Byproducts: Carbon monoxide      Incompatibility: Strong-oxidizing agents

Hazardous Polymerization: Will not occur                      Conditions to Avoid: Strong-oxidizing agents

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## SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

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Steps to be taken in case material is released or spilled: Eliminate all sources of ignition. Ventilate area. Wear NIOSH approved self-contained breathing apparatus if TLV is exceeded. Soak up with oil absorbent material and place in an open container for disposal.

Waste Disposal Method: Dispose of in accordance with all local, state and Federal regulations.

Precautions to be taken in handling and storing: Do not puncture, incinerate, store above 120 Deg. F. Keep away from heat, sparks, open flame. Keep out of reach of children.

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## SECTION VIII – SPECIAL PROTECTION INFORMATION

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Respiratory Protection: NIOSH approved air supplied respirator if TLV is exceeded.

Ventilation: (Local Exhaust & Mechanical) Sufficient to maintain vapor concentrations well below TLV.

Protective Gloves: Recommended

Eye Protection: Safety glasses with safety side shields.

Other Protective Clothing and Equipment: Suitable to protect bare skin. Shoes and clothing.

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## SECTION IX – SPECIAL PRECAUTIONS

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Use only in well ventilated area. Avoid breathing of vapors or spray mist. Flammable vapors are heavier than air and will accumulate in low-lying area. Do not use or store around sources of heat, sparks, or open flames. Keep out of reach of children.

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## SECTION X – SUPPLEMENTARY INFORMATION

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SARA Title III:

RATING SCALE

0 = Minimal

1 = Slight

2 = Moderate

3 = Serious

4 = Severe

1,1-Dichloro-1-Fluoroethane

HMIS Classification:      Health: 2

Flammability: 3

Reactivity: 0

NFPA Classification:      Health: 2

Reactivity: 0

Fire: 3

Special: \_\_\_\_\_

Periodically user should request new MSDS to assure it matches current formulation. The above information is accurate to the best of our knowledge. However, since data safety standards, and Government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, QPL, Corp. makes no warranty, either express or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. User should satisfy himself that he has all current data relevant to his particular use.