



# SAFETY DATA SHEET

## ZINC RICH PRIMER

### SECTION 1. IDENTIFICATION

---

**Product Name:** Zinc Rich Primer

**Product Code:** 0321-3366

**Recommended Use:** Galvanize Coating

**Restrictions On Use:** None Known.

**Comp Any Name:** TAMCO Group

**Company Address:** 11675 Sw Tom Mackie Blvd, Port Saint Lucie, Fl 34987 Company Phone: 772-878-4944

**Emergency Phone:** 800-255-3924

### SECTION 2. HAZARDS IDENTIFICATION

---

**Classification of the substance or mixture:** FLAMMABLE AEROSOLS - Category 1  
GASES UNDER PRESSURE: Liquefied Gas  
SKIN IRRITANT: Category 2  
EYE IRRITANT: Category 2A  
CARCINOGENICITY: Category 2  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): Category 3  
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): Category 2  
ASPIRATION HAZARD: Category 1

GHS label elements  
Hazard pictograms





# SAFETY DATA SHEET

## ZINC RICH PRIMER

### SECTION 2. HAZARDS IDENTIFICATION

---

**Signal Word:** Danger

**Hazard statements:** Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes skin and serious eye irritation. Suspected of causing cancer. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways.  
This product contains the following percentage of chemicals of unknown toxicity: NIA

#### Precautionary statements

**Prevention:** Keep away from heat, sparks, open flames and hot surfaces. -No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place. Wash hands thoroughly after handling. Wear protective gloves, protective clothing and eye protection.

**Response:** If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed or concerned: Get medical advice or attention. Do not breathe mist, vapors or spray. Use only outdoors or in a well-ventilated area. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell. If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting. Dispose of contents and container in accordance with local, state and federal regulations.

**Storage:** Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place.

**Disposal:** Dispose of contents and container in accordance with all local, regional, national and international regulations.



# SAFETY DATA SHEET

## ZINC RICH PRIMER

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS number/other identifiers:

Ingredient name	% by weight	CAS number
Heptane	20-30%	142-82-5
Petroleum gases, liquefied, sweetened Acetone	20-30%	68476-86-8
Xylene	10-20%	67-64-1
Ethyl benzene	1-5%	1330-20-7
Lt. Aliphatic Hydrocarbon Solvent	0.1-1%	100-41-4

### SECTION 4. FIRST AID MEASURES

#### Description of necessary first aid measures

- Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Seek medical attention if irritation persists.
- Inhalation:** Move to fresh air. If breathing is difficult or unconscious, administer oxygen. If not breathing administer artificial respiration. Seek medical attention if irritation persists.
- Skin contact:** Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation persists. Wash contaminated clothing before reuse.
- Ingestion:** Rinse mouth out with water. Do not induce vomiting unless directed by medical authority. Keep head below hips if vomiting occurs. Seek immediate medical attention. Aspiration hazard. Never give anything by mouth to an unconscious person.



# SAFETY DATA SHEET

## ZINC RICH PRIMER

### SECTION 4. FIRST AID MEASURES

---

#### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

**Eye contact:** Causes eye irritation including, redness, tearing, and pain.

**Inhalation:** Inhalation of vapors may cause nausea, dizziness and drowsiness.

**Skin contact:** Causes skin irritation including redness, burning and drying/cracking.

**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Chronic health hazards:** May cause damage to the following organs: kidneys, liver, skin. May cause central nervous system (CNS) depression.

**Note to physician:** Treatment of overexposure should be directed at the control of symptoms and the clinical condition. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.



# SAFETY DATA SHEET

## ZINC RICH PRIMER

### SECTION 5. FIRE-FIGHTING MEASURES

---

#### Extinguishing media

**Suitable extinguishing media:** Dry chemical, carbon dioxide, and foam.

**Unsuitable extinguishing media:** Water jets or streams.

**Special fire fighting procedures:** Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Shut off all sources of ignition. Use water spray to disperse vapor and cool fire exposed containers. Prevent run off from entering streams, sewers, or drinking water supply.

**Unusual fire and explosion hazards:** EXTREMELY FLAMMABLE. Contents under pressure. Exposure to temperatures above 122 °F (50 °C) may cause bursting. Keep away from heat, sparks, open flames and other sources of ignition. Dense smoke, carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and other oxides of carbon may be generated during a fire. Vapors heavier than air will settle in low lying areas and may travel to source of ignition and flash back. Vapors are heavier than air and can accumulate in low areas. Vapors may form explosive mixtures with air.

**Hazardous combustion products:** Oxides of carbon, various hydrocarbons.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

---

#### Personal precautions, protective equipment and emergency procedures

**Personal protective equipment:** Refer to section VIII for proper Personal Protective Equipment.

**Spill:** Eliminate all sources of ignition. Avoid contact with spilled material. Wear appropriate personal protective equipment. Clean up using rag or use some non-combustible material like vermiculite, sand or earth. Prevent spill from entering sewers, storm drains and natural waterways. Place waste in proper containers for disposal.



# SAFETY DATA SHEET

## ZINC RICH PRIMER

### SECTION 6. ACCIDENTAL RELEASE MEASURES

---

**Waste disposal:** Dispose of in accordance with local, state and federal regulations. Do not reuse, puncture or incinerate container. Offer for recycling or wrap container and place in trash collection.

**Rcra status:** Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

### SECTION 7. HANDLING AND STORAGE

---

#### Precautions for safe handling

**Handling and storage:** Do not use or store near heat, open flames or other sources of ignition. Vapors may collect in low-lying areas. Avoid contact with skin, eyes and clothing. Wear proper personal protective equipment when using this product. Use only with adequate ventilation. Do not inhale mist or vapor. Do not use or store with strong oxidizers. Protect from sunlight. Store in a well ventilated area. Do not expose to temperatures exceeding 50 °C/122 °F. Pressurized container: Do not pierce or burn, even after use. Store in a cool, dry area. Wash hands thoroughly after handling. Wash contaminated clothing and shoes thoroughly before reuse.

**Other precautions:** Keep out of the reach of children. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not taste or swallow. Read and follow the directions on the product label. They are the best guide to using the product in the most effective manner. The label also gives you the necessary safety precautions to protect your health.

**Incompatibility:** Some plastics, strong oxidizing agents, acids, caustics, alkalis and chemically active metals.



# SAFETY DATA SHEET

## ZINC RICH PRIMER

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

#### Occupational exposure limits (OSHA United States)

Hazardous ingredient	Exposure limits
Heptane	<b>OSHA PEL</b> 5000 ppm <b>ACGIH TLV</b> 400 ppm
Petroleum gases, liquefied, sweetened	<b>OSHA PEL</b> Not Established <b>ACGIH TLV</b> 10000 ppm
Acetone	<b>OSHA PEL</b> 1000 ppm <b>ACGIH TLV</b> 250 ppm
Xylene	<b>OSHA PEL</b> 100 ppm <b>ACGIH TLV</b> 20 ppm
Ethyl benzene	<b>OSHA PEL</b> 100 ppm <b>ACGIH TLV</b> 20 ppm



# SAFETY DATA SHEET

## ZINC RICH PRIMER

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

---

<b>Engineering controls / ventilation:</b>	Use only outdoors or in a well-ventilated area. Material is heavier than air. Material may concentrate in low lying areas. Normal, forced ventilation required to meet TLV requirements. Local exhaust ventilation is generally preferred.
<b>Respiratory protection:</b>	Use only in well-ventilated areas. If exposure levels are exceeded, then organic vapor cartridge respirator or SCBA will be needed.
<b>Personal protective equipment:</b>	Safety glasses/goggles and chemical resistant gloves.
<b>Additional measures:</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective clothing to prevent repeated or prolonged contact with product. Avoid contact with skin, eyes or clothing. Avoid breathing spray. Wash hands thoroughly after handling. If clothing becomes contaminated, immediately remove and wash. No smoking or open flames.



## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>		<b>Vapor density:</b>	Not available.
<b>Physical state:</b>	Silver spray.	<b>Vapor pressure:</b>	Not available.
<b>Color:</b>	Not available.	<b>Solubility:</b>	Moderate.
<b>Odor:</b>	Solvent.	<b>Partition coefficient:</b>	Not available.
<b>Odor threshold:</b>	Not available.	<b>noctanol/ water:</b>	
<b>pH:</b>	Not available.	<b>Auto-ignition temperature:</b>	Not available.
<b>Melting point:</b>	Not available.	<b>Decomposition temperature:</b>	Not available.
<b>Boiling point:</b>	Not available.	<b>Viscosity:</b>	Not available.
<b>Flash point:</b>	Not available.	<b>Relative density (H2O=1):</b>	1.16 -1.30@ 77 °F (25 °C).
<b>Evaporation rate:</b>	> 3 Fast	<b>Aerosol product</b>	
<b>Flammability (solid, gas):</b>	Extremely flammable aerosol.	<b>Type of aerosol:</b>	Spray
<b>Lower and upper explosive (flammable) limits:</b>	Not available.	<b>Heat of combustion:</b>	Not available.
<b>Vapor pressure:</b>	Not available.		

## SECTION 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	If exposed to strong oxidizers, presents explosion hazard.
<b>Chemical stability:</b>	The product is stable.
<b>Possible hazardous reactions:</b>	None known.
<b>Conditions to avoid:</b>	Temperatures greater than 122 °F (50 °C) and sources of ignition. Avoid incompatible materials.
<b>Incompatible materials:</b>	Some plastics, strong oxidizing agents, acids, caustics, alkalis and chemically active metals.
<b>Hazardous decomposition products:</b>	Oxides of carbon and other decomposition products.



# SAFETY DATA SHEET

## ZINC RICH PRIMER

### SECTION II. TOXICOLOGICAL INFORMATION

#### Information on toxicological effects

##### Acute toxicity

Propane [74-98-6]: LC50 (Inhalation, Rat, 4h) 658 mg/L.

n-Butane [106-97-8]: LC50 (Inhalation, Rat, 4h) 30957 mg/m<sup>3</sup>

Heptane [142-82-5]: LD<sub>50</sub> (Oral, Rat) > 15000 mg/kg; LD<sub>50</sub>(Dermal, Rabbit) > 3160 mg/kg; LC<sub>50</sub> (Inhalation, Rat, 4h) 103 mg/L.

Acetone [67-64-1]: LD<sub>50</sub> (Oral, Rat) 5800 mg/kg; LD<sub>50</sub> (Oral, Mouse) 3000 mg/kg; LD<sub>50</sub> (Oral, Rabbit) 5340 mg/kg; LC<sub>50</sub> (Inhalation, Rat, 8h) 50100 mg/m<sup>3</sup>; LC<sub>50</sub> (Inhalation, Mouse, 4h) 44,000 mg/m<sup>3</sup>

Xylenes [1330-20-7]: LD<sub>50</sub> (Oral, Rat) 4000 mg/kg; LD<sub>50</sub> (Dermal, Rabbit, 24h) 12126 mg/kg; LC<sub>50</sub> (Inhalation, Vapor, Mice) 5000 ppm.

Ethyl benzene [100-41-4] LD<sub>50</sub> (Oral, Rat) 3500 mg/kg; LD<sub>50</sub> (Dermal, Rabbit) 15500 mg/kg; LC<sub>50</sub> (Inhalation, Rat, 4h) 18 mg/L.

##### Routes of entry:

Eyes, Inhalation, Skin.

##### Eyes:

Causes irritation. May cause conjunctivitis with possible corneal injury.

##### Ingestion:

Not a likely route of exposure under normal product handling conditions. May cause gastrointestinal irritation, nausea, diarrhea, vomiting. Aspiration hazard. Can enter the lungs during swallowing or vomiting and cause chemical pneumonia or edema.

##### Inhalation:

May cause dizziness, nausea, central nervous system (CNS) effects.

##### Skin:

Causes irritation, redness, itching, and pain. Prolonged contact may cause defatting of the skin and dermatitis.

##### Medical condition aggravated :

Pre-existing disorders of the eyes will be aggravated by over exposure. Pre-existing skin and respiratory disorders.

##### Acute health hazards:

Causes skin irritation including redness, burning and drying/cracking. Causes eye irritation including redness, tearing, and pain. Inhalation of vapors may cause nausea, dizziness and drowsiness. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.



# SAFETY DATA SHEET

## ZINC RICH PRIMER

### SECTION II. TOXICOLOGICAL INFORMATION

---

**Chronic health hazards:** May cause damage to the following organs: kidneys, liver, skin. May cause central nervous system (CNS) depression.

**Carcinogenicity:** OSHA: No ACGIH: A3 -Animal Carcinogen NTP: No IARC: 2B - Possible OTHER: CA Prop 65



# SAFETY DATA SHEET

## ZINC RICH PRIMER

### SECTION 12. ECOLOGICAL INFORMATION

---

<b>Ecotoxicity:</b>	Very toxic to aquatic life with long lasting effects. n-Heptane (142-82-5): EC <sub>50</sub> (Daphnia magna, 48h) 1.50 mg/L. Acetone (67-64-1): LC <sub>50</sub> (Oncorhynchus mykiss, 96h) 5540 mg/L; EC <sub>50</sub> (Daphnia magna, 48h) 6100 mg/L; EC <sub>50</sub> (Selenastrum quadricauda, 8d) 7500 mg/L; EC <sub>50</sub> (Psuedomonas putida, 16h) 1700 mg/L. Xylenes (1330-20-7): LC <sub>50</sub> (Oncorhynchus mykiss, 96h) 8 mg/L.
<b>Persistence and degradability:</b>	This product is biodegradable.
<b>Bioaccumulative potential:</b>	No additional information available.
<b>Mobility in soil:</b>	This product is mobile in soil.
<b>Other adverse effects:</b>	None known.

### SECTION 13. DISPOSAL CONSIDERATIONS

---

<b>Disposal methods:</b>	WASTE DISPOSAL: Dispose of in accordance with local, state and federal regulations. Do not reuse, puncture or incinerate container. Offer for recycling or wrap container and place in trash collection.  RCRA STATUS: Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).
--------------------------	---



# SAFETY DATA SHEET

## ZINC RICH PRIMER

### SECTION 14. TRANSPORT INFORMATION

---

**Shipping:**

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN1950

PACKING GROUP: N/A



**AIR SHIPMENT**

PROPER SHIPPING NAME: Aerosols, flammable. HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN1950

PACKING GROUP: N/A

**SHIPPING BY WATER: VESSEL (IMO/IMDG)**

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN1950

PACKING GROUP: N/A

ENVIRONMENTAL HAZARDS WATER: Marine Pollutant.



# SAFETY DATA SHEET

## ZINC RICH PRIMER

<b>Tsca status:</b>	All chemicals are listed or exempt.
<b>Cercla (comprehensive response compensation, and liability act):</b>	Zinc (7440-66-6) Reportable Quantity= 1000 pounds. Acetone (67-64-1) Reportable Quantity= 5,000 pounds. Xylenes (1330-20-7) Reportable Quantity= 100 pounds. Ethyl benzene (100-41-4) Reportable Quantity= 1000 pounds. Butyl acetate (123-86-4) Reportable Quantity= 5,000 pounds.
<b>Sara 311/312 hazard categories:</b>	Flammable (gases, aerosols, liquids, solids). Gas under pressure. Skin corrosion or irritation. Serious eye damage or eye irritation. Carcinogenicity. Specific target organ toxicity (single or repeated exposure). Aspiration hazard.
<b>Sara 313 reportable ingredients:</b>	Xylenes (1330-20-7). Ethyl benzene (100-41-4).
<b>Clean water act:</b>	Zinc (7440-66-6) is a priority pollutant and a toxic pollutant. Acetone (67-64-1) is a hazardous substance. Xylene (1330-20-7) is a hazardous substance. Ethyl benzene (100-41-1) is a hazardous substance. Butyl acetate (123-86-4) is a hazardous substance.
<b>State regulations:</b>	California Proposition 65: WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> . Zinc (7440-66-6): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: MA, NJ, PA, RI. Heptane (142-82-5): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CA, IL, MA, NJ, PA, RI. Acetone (67-64-1): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CA, DE, ID, ME, MA, MN, NJ, PA, RI, WA. Xylene (1330-20-7): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CA, DE, ID, ME, MA, MN, NJ, NY, PA, RI, WA. Ethyl benzene (100-41-4): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CA, DE, ID, IL, ME, MA, MN, NJ, NY, PA, RI, WA, WI. Butyl acetate (123-86-4): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: MA, PA, RI.



# SAFETY DATA SHEET

## ZINC RICH PRIMER

### SECTION 16. OTHER INFORMATION

---

**International regulations:** No information available.

**Volatile organic compounds (VOC):** 58.3%

**NFPA HEALTH:** 2  
**NFPA FLAMMABILITY:** 3  
**NFPA REACTIVITY:** 1  
**NFPA OTHER:** None

**HMIS HEALTH:** 2  
**HMIS FLAMMABILITY:** 3  
**HMIS REACTIVITY:** 1  
**HMIS PROTECTION:** B



# SAFETY DATA SHEET

## ZINC RICH PRIMER

### SECTION 16. OTHER INFORMATION

---

**Notice to reader:**

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.