

Safety Data Sheet

Section 1: Identification

Product name: 82B Galvanized Bar

Product use: Filler metal for welding applications

Manufacturer: Inweld Corporation

Address: 3962 Portland St, Coplay, PA 18037, UNITED STATES

Manufacturer phone number: (800) 346-5368

Emergency phone number: (800) 424-9300 (CHEMTREC)

Section 2: Hazard(s) Identification

Classification according to OSHA HCS (29 CFR 1910.1200):

- Carcinogenicity, Category 1A
- Reproductive toxicity, Category 1B
- Specific target organ toxicity — repeated exposure, Category 1 (respiratory system)
- Skin irritation, Category 2
- Eye irritation, Category 2A

Signal word: Danger

Hazard statements:

- May cause cancer.
- May damage fertility or the unborn child.
- Causes skin irritation.
- Causes serious eye irritation.
- Causes damage to organs through prolonged or repeated exposure (lungs).

Precautionary statements:

- Obtain special instructions before use.

- Do not handle until all safety precautions have been read and understood.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Use only outdoors or in a well-ventilated area.
- If exposed or concerned: Get medical advice/attention.
- If on skin: Wash with plenty of water.
- If skin irritation occurs: Get medical advice/attention.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
- Store locked up.
- Dispose of contents/container in accordance with local regulations.

GHS hazard pictograms:



Section 3: Composition/Information on Ingredients

Chemical Name	CAS Number	Approximate % by Weight
Zinc (galvanized coating)	7440-66-6	Varies (approx. 5-10%)
Iron (base metal)	7439-89-6	Remainder
Possible trace elements (e.g., lead, chromium)	Various	<1% (trace impurities)

Section 4: First-Aid Measures

Inhalation:

Remove person to fresh air and keep comfortable for breathing. Seek medical attention if symptoms occur.

Skin contact:

Wash affected area with soap and water. Remove contaminated clothing. If irritation develops or persists, seek medical advice.

Eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

Ingestion:

Rinse mouth. Do NOT induce vomiting. Get immediate medical attention.

Section 5: Fire-Fighting Measures

Suitable extinguishing media:

Water spray, dry chemical, carbon dioxide (CO₂), or foam.

Specific hazards arising from the chemical:

Fumes may be toxic if heated to decomposition.

Protective equipment for firefighters:

Wear self-contained breathing apparatus and protective clothing.

Section 6: Accidental Release Measures

Personal precautions:

Avoid dust formation. Use personal protective equipment.

Environmental precautions:

Prevent release to the environment.

Methods for containment and cleanup:

Collect spillage. Avoid dust formation. Dispose according to regulations.

Section 7: Handling and Storage

Handling:

Use only in well-ventilated areas. Avoid creating dust or fumes. Use personal protective equipment as required.

Storage:

Store in a cool, dry, well-ventilated place. Keep container tightly closed.

Section 8: Exposure Controls/Personal Protection

Exposure limits:

- Zinc (metal fume): OSHA PEL: 5 mg/m³ (respirable fraction)
- Iron oxide: OSHA PEL: 10 mg/m³ (total dust)

Engineering controls:

Local exhaust ventilation recommended.

Personal protective equipment:

- Eye/face protection: Safety glasses with side shields
- Skin protection: Protective gloves and clothing
- Respiratory protection: NIOSH-approved respirator if exposure limits are exceeded

Section 9: Physical and Chemical Properties

- **Appearance:** Solid metal bar with galvanized (zinc) coating
- **Odor:** Odorless
- **Melting point:** Approx. 1400°C (iron base)
- **Boiling point:** Not applicable
- **Solubility in water:** Insoluble
- **Density:** Approx. 7.8 g/cm³ (iron base)

Section 10: Stability and Reactivity

- **Reactivity:** Stable under normal conditions.
- **Chemical stability:** Stable
- **Conditions to avoid:** Avoid excessive heat that may generate hazardous fumes.

- **Incompatible materials:** Strong acids, alkalis, and oxidizers.
- **Hazardous decomposition products:** Zinc oxide fumes and iron oxides on heating.

Section 11: Toxicological Information

- **Routes of exposure:** Inhalation, skin contact, eye contact.
- **Acute effects:** May cause irritation of skin, eyes, and respiratory tract.
- **Chronic effects:** Prolonged inhalation of fumes may cause lung damage and increased risk of cancer. May affect reproductive health.

Section 12: Ecological Information

- May be harmful to aquatic life with long-lasting effects. Avoid release to environment.

Section 13: Disposal Considerations

Dispose of in accordance with local, state, and federal regulations. Do not dispose of in the environment.

Section 14: Transport Information

Not classified as dangerous goods under DOT, IATA, or IMDG regulations.

Section 15: Regulatory Information

This product contains substances subject to reporting under various regulations (e.g., CERCLA, EPCRA).

Section 16: Other Information

Prepared by: Inweld Corporation

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