

Safety Data Sheet

Section 1: Identification

Product Identifier:

CX888

Manufacturer:

Inweld Corporation

3962 Portland St

Coplay, PA 18037

United States

Phone Number (General): (800) 346-5368

Emergency Phone Number (24-Hour CHEMTREC): (800) 424-9300

Recommended Use: Filler metal for welding applications

Restrictions on Use: Use only as directed. For industrial use only.

Section 2: Hazard(s) Identification

Classification of the Substance or Mixture (GHS-US):

- Carcinogenicity (Category 1B)
- Specific Target Organ Toxicity – Repeated Exposure (Category 2)
- Acute Toxicity – Inhalation (Category 4)
- Skin Sensitization (Category 1)
- Eye Irritation (Category 2A)

Signal Word:

Danger

Hazard Statements:

- H332: Harmful if inhaled
- H317: May cause an allergic skin reaction
- H319: Causes serious eye irritation

- H351: Suspected of causing cancer
- H373: May cause damage to organs through prolonged or repeated exposure

Precautionary Statements:

- P201: Obtain special instructions before use
- P261: Avoid breathing dust/fume/gas/mist/vapors/spray
- P280: Wear protective gloves/protective clothing/eye protection/face protection
- P302+P352: IF ON SKIN: Wash with plenty of water
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P308+P313: IF exposed or concerned: Get medical advice/attention
- P501: Dispose of contents/container in accordance with local/regional/national/international regulations

GHS Pictograms:



Section 3: Composition/Information on Ingredients

Chemical Name CAS Number % by Weight Hazard Classification

Iron	7439-89-6	50–80%	Not classified
Manganese	7439-96-5	5–25%	STOT RE 2, H373
Chromium	7440-47-3	1–10%	Skin Sens. 1, Carc. 1B, STOT RE 1
Nickel	7440-02-0	1–5%	Skin Sens. 1, Carc. 1B
Silicon	7440-21-3	0.5–2%	Not classified

Exact composition withheld as trade secret.

Section 4: First-Aid Measures

Inhalation: Remove to fresh air. Seek medical attention if symptoms persist.

Skin Contact: Wash with soap and water. Remove contaminated clothing. If irritation develops, seek medical attention.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present. Continue rinsing. Get medical attention if irritation persists.

Ingestion: Not likely under normal use. If swallowed, seek medical attention.

Most Important Symptoms/Effects:

- Eye, skin, and respiratory irritation
- Possible allergic skin reaction
- Potential long-term carcinogenic effects

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media:

Use appropriate extinguishing media for surrounding fire (e.g., dry chemical, CO₂, water spray).

Specific Hazards:

Fumes may contain metal oxides; avoid inhalation of decomposition products.

Protective Equipment:

Wear full firefighting gear and self-contained breathing apparatus.

Section 6: Accidental Release Measures

Personal Precautions:

Avoid inhalation of dust or fumes. Use appropriate PPE.

Environmental Precautions:

Avoid release into the environment. Prevent further leakage if safe to do so.

Methods for Clean-Up:

Collect and place in appropriate waste container for disposal in accordance with local regulations.

Section 7: Handling and Storage

Precautions for Safe Handling:

Use adequate ventilation. Avoid creating or inhaling fumes or dust. Use PPE as required.

Conditions for Safe Storage:

Store in dry, well-ventilated area away from incompatible substances.

Section 8: Exposure Controls/Personal Protection

Occupational Exposure Limits:

Substance	OSHA PEL	ACGIH TLV
Manganese	5 mg/m ³ (Ceiling)	0.02 mg/m ³ (TWA)
Chromium	1 mg/m ³	0.5 mg/m ³
Nickel	1 mg/m ³	1.5 mg/m ³

Engineering Controls:

Provide local exhaust ventilation to control fume concentrations.

Personal Protective Equipment (PPE):

- Eye/Face Protection: Safety glasses or goggles
- Skin Protection: Wear gloves and protective clothing
- Respiratory Protection: Use NIOSH-approved respirator if exposure limits are exceeded
- General Hygiene: Do not eat, drink, or smoke when using this product

Section 9: Physical and Chemical Properties

Property	Value
Appearance	Metallic solid (wire/rod)
Odor	Odorless

Property	Value
pH	Not applicable
Melting Point	~1300–1500°C
Flash Point	Not flammable
Vapor Pressure	Not applicable
Solubility in Water	Insoluble
Density	~7–8 g/cm ³

Section 10: Stability and Reactivity

Reactivity: Not reactive under normal conditions

Chemical Stability: Stable

Hazardous Reactions: None known

Incompatible Materials: Strong acids and oxidizers

Hazardous Decomposition Products: Metal oxides and fumes during welding

Section 11: Toxicological Information

Likely Routes of Exposure: Inhalation, skin, eye contact

Acute Effects:

- Harmful if inhaled
- Causes eye irritation
- May cause skin sensitization

Chronic Effects:

- Prolonged exposure may lead to lung damage
- Contains substances suspected of causing cancer

Section 12: Ecological Information

Environmental Effects:

No specific data available. Prevent material from entering waterways.

Section 13: Disposal Considerations

Dispose of in accordance with federal, state, and local environmental control regulations.

Section 14: Transport Information

Not regulated under DOT, IMDG, or IATA as a hazardous material.

Section 15: Regulatory Information

OSHA HCS (29 CFR 1910.1200):

This product is classified as hazardous.

SARA 313:

Contains manganese, chromium, and nickel—subject to reporting.

Section 16: Other Information

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Version: 1.0

Disclaimer:

The information contained herein is believed to be accurate but is not guaranteed. Users are responsible for determining the suitability of this material for their particular purposes and should comply with all applicable regulations.