

Safety Data Sheet

Section 1: Identification

Product Identifier:

- HX904, HX905

Manufacturer:

Inweld Corporation
3962 Portland St
Coplay, PA 18037
UNITED STATES

Emergency Phone Number:

(800) 424-9300 (Chemtrec)

Manufacturer Phone Number:

(800) 346-5368

Recommended Use:

Welding filler metals

Restrictions on Use:

Use only as directed by welding safety guidelines.

Section 2: Hazard(s) Identification

Classification of the Substance or Mixture:

- Carcinogenicity (Category 1B)
- Specific target organ toxicity — repeated exposure (Category 2)
- Skin irritation (Category 2)
- Eye irritation (Category 2A)
- Respiratory sensitization (Category 1)

Signal Word:

Danger

Hazard Statements:

- May cause cancer.
- May cause damage to organs through prolonged or repeated exposure.
- Causes skin irritation.
- Causes serious eye irritation.
- May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary Statements:

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Use personal protective equipment as required.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Wash skin thoroughly after handling.
- If inhaled: Remove person to fresh air and keep comfortable for breathing.
- If on skin: Wash with plenty of soap and water.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- If exposed or concerned: Get medical advice/attention.
- 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 % w/w	Notes
Iron (Fe)	7439-89-6	Balance	Base metal
Chromium (Cr)	7440-47-3	Variable	Carcinogenic component
Nickel (Ni)	7440-02-0	Variable	Respiratory sensitizer
Manganese (Mn)	7439-96-5	Variable	
Other trace metals	N/A	Trace amounts	

Section 4: First-Aid Measures

Inhalation:

Move person to fresh air. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.

Skin Contact:

Wash affected area with soap and water. Remove contaminated clothing. Get medical advice if irritation develops.

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 with water. Do not induce vomiting. Seek medical advice immediately.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media:

Use dry chemical, carbon dioxide, or foam.

Specific Hazards Arising from the Chemical:

Metal dust/fumes may ignite or explode under certain conditions.

Protective Equipment for Firefighters:

Wear full protective clothing and self-contained breathing apparatus.

Section 6: Accidental Release Measures

- Avoid generating dust or fumes.
- Ventilate area.
- Use personal protective equipment.
- Collect material for proper disposal.

Section 7: Handling and Storage

Handling:

- Avoid inhalation of dust and fumes.
- Use adequate ventilation or respiratory protection.
- Wear protective gloves and eye protection.

Storage:

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

Section 8: Exposure Controls/Personal Protection

Exposure Limits:

- OSHA PEL, ACGIH TLV for metals (varies by component).

Engineering Controls:

- Use local exhaust ventilation.

Personal Protective Equipment:

- Respiratory protection if airborne exposure limits exceeded.
- Gloves, protective clothing, and safety goggles.

Section 9: Physical and Chemical Properties

- Appearance: Solid wire or rod

- Color: Metallic gray/silver
- Odor: Odorless
- Melting Point: Approx. 1400-1600 °C (depends on alloy)
- Solubility: Insoluble in water

Section 10: Stability and Reactivity

- Stable under normal conditions.
- Avoid strong acids and oxidizers.

Section 11: Toxicological Information

- Prolonged inhalation may cause respiratory sensitization.
- Contains carcinogenic metals (chromium, nickel).
- May cause skin and eye irritation.

Section 12: Ecological Information

- Not readily biodegradable.
- Avoid release into the environment.

Section 13: Disposal Considerations

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

Section 14: Transport Information

- Not regulated as hazardous material for transport.

Section 15: Regulatory Information

- Contains chromium and nickel, regulated carcinogens.

Section 16: Other Information

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