

Safety Data Sheet

Section 1: Identification

Product identifier: NA112

Recommended use: Welding filler metal

Restrictions on use: For industrial use only

Manufacturer:

Inweld Corporation

3962 Portland St, Coplay, PA 18037, UNITED STATES

Manufacturer Phone Number: (800) 346-5368

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

Date of SDS Preparation: 6/3/2025

Version Number: 1.0

Section 2: Hazard(s) Identification

Classification (GHS):

- Acute Toxicity, Inhalation (Category 4)
- Skin Irritation (Category 2)
- Eye Irritation (Category 2A)
- Respiratory Sensitization (Category 1)
- Carcinogenicity (Category 1A)

Signal word: Danger

Hazard statements:

- Harmful if inhaled.
- Causes skin irritation.
- Causes serious eye irritation.

- May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- May cause cancer.

Precautionary statements:

- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Wear protective gloves/protective clothing/eye protection/face protection.
- 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/doctor if you feel unwell.
- If on skin: Wash with plenty of soap and 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.
- If exposed or concerned: Get medical advice/attention.

GHS Hazard Pictograms:



Section 3: Composition/Information on Ingredients

Component CAS Number Approximate % Classification

Iron	7439-89-6	65-75%	Not classified
Manganese	7439-96-5	15-25%	Acute Toxicity (Category 4)
Chromium	7440-47-3	5-10%	Carcinogenicity (Category 1A)
Nickel	7440-02-0	1-3%	Carcinogenicity (Category 1A)

Exact composition may vary; refer to the batch certificate.

Section 4: First-Aid Measures

Inhalation:

Remove to fresh air immediately. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Seek medical attention immediately.

Skin contact:

Wash affected area with soap and water. Remove contaminated clothing. If irritation persists, get medical attention.

Eye contact:

Rinse cautiously with water for at least 15 minutes. Remove contact lenses if easy to do. Get medical attention if irritation persists.

Ingestion:

Not a typical route of exposure. If swallowed, rinse mouth and seek medical attention.

Section 5: Fire-Fighting Measures

Suitable extinguishing media:478901

Use dry chemical, CO₂, water spray, or foam.

Specific hazards:

May produce hazardous fumes including metal oxides during welding or heating.

Protective equipment for firefighters:

Wear self-contained breathing apparatus (SCBA) and full protective gear.

Section 6: Accidental Release Measures

Personal precautions:

Avoid dust formation. Use appropriate personal protective equipment (PPE).

Environmental precautions:

Prevent entry into waterways and drains.

Methods for cleanup:

Sweep or vacuum up material. Avoid generating dust. Dispose of in accordance with local regulations.

Section 7: Handling and Storage

Handling:

Use with adequate ventilation or respiratory protection. Avoid inhalation of fumes and dust. Avoid skin and eye contact.

Storage:

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

Section 8: Exposure Controls/Personal Protection

Exposure limits:

Component OSHA PEL (8 hr TWA) ACGIH TLV (8 hr TWA)

Manganese 5 mg/m³ (Ceiling) 0.1 mg/m³ (Respirable)

Chromium 1 mg/m³ (as Cr) 0.5 mg/m³

Nickel 1 mg/m³ (as Ni) 1.5 mg/m³

Engineering controls:

Use local exhaust ventilation or process enclosures.

Personal protective equipment:

- Respiratory protection: NIOSH-approved respirator if exposure limits exceeded.
- Skin protection: Protective gloves and clothing.
- Eye protection: Safety goggles or face shield.

Section 9: Physical and Chemical Properties

Property	Value
Appearance	Solid wire, metallic
Odor	None
Melting point	Approx. 1450-1500 °C

Property	Value
Boiling point	Not applicable
Vapor pressure	Not applicable
Density	Approx. 7.8 g/cm ³
Solubility	Insoluble in water

Section 10: Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to avoid: Excessive heat, open flames.

Incompatible materials: Strong acids, strong oxidizing agents.

Hazardous decomposition products: Metal oxides, fumes during welding.

Section 11: Toxicological Information

- **Acute toxicity:** Harmful by inhalation of fumes/dust.
- **Skin corrosion/irritation:** Causes skin irritation.
- **Serious eye damage/irritation:** Causes serious eye irritation.
- **Respiratory sensitization:** May cause asthma or allergy symptoms.
- **Carcinogenicity:** Contains chromium and nickel, classified as carcinogens (IARC Group 1).

Section 12: Ecological Information

- Not expected to be harmful to aquatic life in normal use.
- Avoid release into the environment.

Section 13: Disposal Considerations

Dispose of in accordance with local, state, and federal regulations. Avoid contamination of soil and water.

Section 14: Transport Information

- Not regulated as a hazardous material for transportation.

Section 15: Regulatory Information

- Contains substances regulated under OSHA, EPA, and state laws for carcinogens and toxic metals.

Section 16: Other Information

- Prepared according to OSHA Hazard Communication Standard 29 CFR 1910.1200(g).
- Date of preparation: 2025-06-04
- Revision: 1.0