

Safety Data Sheet

Section 1: Identification

Product identifier:

WT-350H

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 metal

Restrictions on use:

Use only as intended in welding applications.

Section 2: Hazard(s) Identification

Classification (GHS):

- Carcinogenicity, Category 1A
- Specific target organ toxicity – repeated exposure, Category 1
- Skin sensitization, Category 1
- Eye irritation, Category 2A

Signal word:

DANGER

Hazard statements:

- May cause cancer.

- Causes damage to organs through prolonged or repeated exposure.
- May cause an allergic skin reaction.
- Causes serious eye irritation.

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, and face protection.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Wash thoroughly after handling.
- If exposed or concerned: Get medical advice/attention.
- Store locked up.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

GHS Hazard Pictograms:



Section 3: Composition/Information on Ingredients

Chemical Name	CAS Number	Approx. % by weight	Hazard Classification
Nickel (Ni)	7440-02-0	30-60%	Carcinogen, STOT RE 1
Chromium (Cr)	7440-47-3	10-25%	Carcinogen, Skin Sensitizer
Iron (Fe)	7439-89-6	10-40%	Not classified
Manganese (Mn)	7439-96-5	5-15%	STOT RE 1
Other trace metals	N/A	<5%	Varies

Section 4: First-Aid Measures

Inhalation:

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

Skin contact:

Wash affected area with soap and water. Remove contaminated clothing. Get medical attention if irritation or allergic reaction develops.

Eye contact:

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

Ingestion:

Rinse mouth. Do not induce vomiting. Get medical attention immediately.

Section 5: Fire-Fighting Measures

Suitable extinguishing media:

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

Specific hazards:

May release toxic fumes (metal oxides) when heated.

Protective equipment for firefighters:

Wear self-contained breathing apparatus and full protective gear.

Section 6: Accidental Release Measures

Personal precautions:

Avoid dust formation. Use personal protective equipment.

Environmental precautions:

Prevent from entering drains, waterways, or soil.

Methods for cleaning up:

Sweep or vacuum material and place in disposal container.

Section 7: Handling and Storage

Handling:

Avoid dust/fume inhalation. Use adequate ventilation. Avoid skin and eye contact.

Storage:

Store in a cool, dry place away from incompatible materials.

Section 8: Exposure Controls/Personal Protection

Exposure limits:

- Nickel: OSHA PEL 1 mg/m³ (as Ni)
- Chromium VI: OSHA PEL 0.005 mg/m³ (as Cr VI)
- Manganese: OSHA PEL 5 mg/m³ (as Mn)

Engineering controls:

Use local exhaust ventilation or other engineering controls to maintain exposure below permissible limits.

Personal protective equipment:

- Respiratory protection: Use NIOSH-approved respirator if exposure limits exceeded.
- Skin protection: Gloves resistant to metals and chemicals.
- Eye protection: Safety goggles or face shield.

Section 9: Physical and Chemical Properties

- **Appearance:** Solid wire or rods
- **Color:** Metallic gray
- **Odor:** Odorless
- **Melting point:** Approx. 1450°C (varies with alloy composition)
- **Boiling point:** Not applicable
- **Solubility:** Insoluble in water

Section 10: Stability and Reactivity

Reactivity:

Stable under normal conditions.

Conditions to avoid:

Avoid exposure to moisture and acids.

Incompatible materials:

Strong acids and oxidizing agents.

Hazardous decomposition products:

Metal oxides and fumes during welding.

Section 11: Toxicological Information

- May cause cancer (Nickel and Chromium VI compounds).
- May cause respiratory tract irritation and damage with prolonged exposure.
- Can cause allergic skin reactions.
- Eye irritation on dust contact.

Section 12: Ecological Information

- May be harmful to aquatic life with long-lasting effects.
- 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 under DOT for shipping in solid form.
- Follow applicable regulations for hazardous waste transport if discarded.

Section 15: Regulatory Information

- Contains nickel and chromium compounds subject to reporting under EPA regulations.
- OSHA Hazard Communication Standard (29 CFR 1910.1200) applies.

Section 16: Other Information

Prepared by: Inweld Corporation

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