Inweld
Welding Alloys and Supplies

Safety Data Sheet

Section 1: Identification

Product identifier: Hi-Alloy Stud Extractor
Manufacturer: Inweld Corporation
3962 Portland St, Coplay, PA 18037, UNITED STATES
Emergency phone: (800) 424-9300
Phone: (800) 346-5368
Recommended use: Filler metal for welding/extraction applications
Restrictions: Industrial use only

Section 2: Hazard(s) Identification

Classification (GHS):

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

Signal word: Danger

Hazard statements:

- Harmful if swallowed.
- Causes skin irritation.
- Causes serious eye irritation.
- May cause cancer.
- Causes damage to organs through prolonged or repeated exposure.

Precautionary statements:

- Do not breathe dust/fume/gas/mist/vapors/spray.

- Wash thoroughly after handling.
- Wear protective gloves/protective clothing/eye protection/face protection.
- If swallowed: Call a poison center/doctor if you feel unwell.
- 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.
- Get medical advice/attention if you feel unwell.
- 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	% (wt)	Classification
Nickel	7440-02-0	40–60%	Carc. 1B, STOT RE 1
Chromium	7440-47-3	10–30%	Carc. 1B, Skin Irrit. 2, Eye Irrit. 2A
Iron	7439-89-6	Balance	Not classified
Other alloying elements	—	—	—

(Note: Composition percentages and hazard classifications should be updated with actual product data.)

Section 4: First-Aid Measures

Inhalation:

Remove person to fresh air. If breathing is difficult, administer oxygen. Seek medical attention.

Skin contact:
Wash affected area with soap and water. Remove contaminated clothing. If irritation persists, seek medical attention.

Eye contact:
Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses if present. Get medical attention if irritation continues.

Ingestion:
Do not induce vomiting. Rinse mouth. Seek immediate medical attention.

Section 5: Fire-Fighting Measures

Suitable extinguishing media:
Dry chemical, CO_2, water spray, or foam.

Unsuitable extinguishing media:
None known.

Specific hazards:
May emit toxic fumes of metal oxides and other hazardous gases when heated or burned.

Protective equipment:
Firefighters should wear full protective gear and self-contained breathing apparatus (SCBA).

Section 6: Accidental Release Measures

Personal precautions:
Avoid dust formation. Use protective gloves, goggles, and respiratory protection if necessary.

Environmental precautions:
Prevent dust or powder from entering drains or water sources.

Cleanup methods:
Carefully sweep up material and place into suitable containers for disposal. Avoid generating dust.

Section 7: Handling and Storage

Handling:

- Avoid creating dust.
- Use in well-ventilated areas.
- Avoid inhalation of dust/fumes.
- Use personal protective equipment as needed.

Storage:

- Store in a cool, dry, well-ventilated place.
- Keep container tightly closed.
- Store away from incompatible materials such as acids.

Section 8: Exposure Controls/Personal Protection

Occupational Exposure Limits:

Component	OSHA PEL (8 hr TWA)	ACGIH TLV (8 hr TWA)
Nickel	1 mg/m^3 (as Ni)	1.5 mg/m^3 (as Ni)
Chromium	1 mg/m^3 (as Cr)	0.5 mg/m^3 (as Cr VI)
Iron	10 mg/m^3 (total dust)	5 mg/m^3 (respirable)

Engineering controls:

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

Personal protective equipment:

- Eye/face protection: Safety glasses or goggles.
- Skin protection: Protective gloves and clothing.
- Respiratory protection: NIOSH-approved respirator if exposure limits are exceeded or if irritation occurs.

Section 9: Physical and Chemical Properties

Property	Typical Value
Appearance	Solid metal, wire or rod form
Color	Metallic silver/gray
Odor	Odorless
Melting point	[Insert °C]
Boiling point	[Insert °C]
Flash point	Not applicable
Density	[Insert g/cm^3]
Solubility in water	Insoluble
Vapor pressure	Negligible

Section 10: Stability and Reactivity

Reactivity:
Stable under recommended storage and handling conditions.

Chemical stability:
Stable under normal temperatures and pressures.

Possibility of hazardous reactions:
None known under normal conditions.

Conditions to avoid:
Avoid generating dust and contact with strong acids or bases.

Incompatible materials:
Strong oxidizing agents, acids.

Hazardous decomposition products:
Metal oxides, toxic fumes when heated or burned.

Section 11: Toxicological Information

Likely routes of exposure: Inhalation, skin and eye contact, ingestion.

Acute toxicity:

- Oral: Harmful if swallowed.
- Skin irritation: Causes irritation.
- Eye irritation: Causes serious eye irritation.

Chronic effects:

- May cause cancer (Nickel and Chromium compounds).
- Causes damage to organs (lungs, kidneys) through prolonged or repeated exposure.

Carcinogenicity:
IARC Group 1 (Nickel and Chromium compounds).

Symptoms:
Irritation of respiratory tract, skin redness, eye pain, coughing, nausea.

Section 12: Ecological Information

Ecotoxicity:
Harmful to aquatic life with long lasting effects.

Persistence and degradability:
Not readily biodegradable.

Bioaccumulative potential:
May bioaccumulate in aquatic organisms.

Mobility in soil:
Low mobility due to metal content.

Section 13: Disposal Considerations

Disposal methods:
Dispose of in accordance with local, state, and federal regulations. Do not dispose in the environment or sewer systems.

Contaminated packaging:
Dispose of as unused product.

Section 14: Transport Information

DOT (US):

- Proper shipping name: Not regulated as hazardous for transportation.
- Hazard class: N/A
- UN Number: N/A

IMDG: Not regulated
IATA: Not regulated

Section 15: Regulatory Information

U.S. Federal Regulations:

- TSCA: All components are listed or exempt.
- OSHA: Hazardous under Hazard Communication Standard.

California Proposition 65:
Contains chemicals known to the State of California to cause cancer (Nickel, Chromium).

Section 16: Other Information

Preparation date: July 2, 2025
Revision date: July 2, 2025
Disclaimer:
This SDS was prepared in good faith based on current information available. It is the responsibility of the user to ensure safe handling and use according to all applicable laws and regulations.