

Safety Data Sheet

Section 1: Identification

Product identifier:

Super Surface 60

Other means of identification:

Welding filler metal

Recommended use:

Welding and metal fabrication

Restrictions on use:

Use only as directed by manufacturer's instructions

Manufacturer:

Inweld Corporation
3962 Portland St, Coplay, PA 18037
UNITED STATES

Emergency phone number:

CHEMTREC (24 hr): (800) 424-9300

Manufacturer phone number:

(800) 346-5368

Section 2: Hazard(s) Identification

Classification under OSHA HCS (29 CFR 1910.1200):

- Carcinogenicity, Category 1B
- Specific target organ toxicity – repeated exposure, Category 1 (lung)
- Skin sensitization, Category 1
- Acute toxicity – inhalation, Category 4
- Eye irritation, Category 2A

Signal word:

Danger

Hazard statements:

- May cause cancer by inhalation
- Causes damage to lungs through prolonged or repeated exposure by inhalation
- May cause an allergic skin reaction
- Harmful if inhaled
- Causes serious eye irritation

Precautionary statements:

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves/protective clothing/eye protection/face protection.
- If exposed or concerned: Get medical advice/attention.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- IF ON SKIN: Wash with plenty of water.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do — continue rinsing.
- If skin irritation or rash occurs: 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	% (weight)	Classification
Iron	7439-89-6	Balance	Not classified
Chromium	7440-47-3	5-10	Carcinogenicity Category 1B
Nickel	7440-02-0	3-7	Carcinogenicity Category 1B
Manganese	7439-96-5	1-3	Specific target organ toxicity
Other trace metals	Proprietary	<2	—

Section 4: First-Aid Measures

Inhalation:

Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get immediate medical attention.

Skin contact:

Wash with plenty of soap and water. Remove contaminated clothing. Get medical attention if irritation or rash develops.

Eye contact:

Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical attention.

Ingestion:

Not a typical route of exposure. If ingested, rinse mouth and get medical attention.

Section 5: Fire-Fighting Measures

Suitable extinguishing media:

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

Specific hazards arising from the chemical:

May emit toxic fumes of metal oxides when heated.

Protective equipment for firefighters:

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

Section 6: Accidental Release Measures

Personal precautions:

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

Environmental precautions:

Prevent entry into drains, sewers, or waterways.

Methods for containment and cleanup:

Sweep or vacuum up and place in a suitable container for disposal. Avoid generating dust.

Section 7: Handling and Storage

Precautions for safe handling:

- Use only in well-ventilated areas or with local exhaust ventilation.
- Avoid inhalation of dust or fumes.
- Wear protective gloves and eye protection.

Conditions for safe storage:

- Store in a cool, dry, well-ventilated area away from incompatible materials.
- Keep container tightly closed.

Section 8: Exposure Controls/Personal Protection

Occupational exposure limits:

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

Engineering controls:

Use adequate ventilation to keep airborne concentrations low.

Personal protective equipment (PPE):

- Respiratory protection: NIOSH-approved respirator when ventilation is inadequate.
- Hand protection: Chemical-resistant gloves.
- Eye protection: Safety glasses or goggles.
- Skin protection: Protective clothing.

Section 9: Physical and Chemical Properties

Property	Typical Value
Appearance	Solid wire, metallic gray
Odor	Odorless
Odor threshold	Not applicable
pH	Not applicable
Melting point/freezing point	Approximately 1400-1600 °C (varies by alloy)
Boiling point	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability	Not flammable
Vapor pressure	Not applicable
Vapor density	Not applicable
Relative density	~7.8 g/cm ³
Solubility	Insoluble in water
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable

Section 10: Stability and Reactivity

Reactivity:

Stable under normal conditions.

Chemical stability:

Stable.

Possibility of hazardous reactions:

None under normal processing.

Conditions to avoid:

Avoid exposure to excessive heat or incompatible materials.

Incompatible materials:

Strong acids and oxidizers.

Hazardous decomposition products:

Metal fumes and oxides when heated.

Section 11: Toxicological Information

Likely routes of exposure:

Inhalation, skin contact, eye contact.

Symptoms:

Irritation of eyes, skin, and respiratory tract. Possible allergic skin reactions. May cause lung damage with repeated exposure.

Carcinogenicity:

Contains chromium and nickel compounds classified as carcinogenic by IARC and OSHA.

Section 12: Ecological Information

Ecotoxicity:

Not expected to be harmful to aquatic life.

Persistence and degradability:

Metallic materials are not biodegradable.

Bioaccumulative potential:

Not expected to bioaccumulate.

Mobility in soil:

Low.

Section 13: Disposal Considerations

Dispose of in accordance with local, state, and federal regulations. Do not dispose of in the environment.

Section 14: Transport Information

Not classified as hazardous for transport.

Section 15: Regulatory Information

OSHA Hazard Communication Standard: This product is considered hazardous under 29 CFR 1910.1200.

SARA Title III: Contains reportable quantities of chromium and nickel.

Section 16: Other Information

Prepared by: Inweld Corporation

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