

## Safety Data Sheet

### Section 1: Identification

- **Product Identifier:** Aladdin 3 in 1
- **Manufacturer Name:** Inweld Corporation
- **Address:** 3962 Portland St, Coplay, PA 18037, United States
- **Phone Number (General):** (800) 346-5368
- **Emergency Phone Number (CHEMTREC):** (800) 424-9300
- **Recommended Use:** Welding filler metal
- **Restrictions on Use:** For industrial use only

### Section 2: Hazard(s) Identification

- **Classification:**
  - Skin Irritation (Category 2)
  - Eye Irritation (Category 2A)
  - Carcinogenicity (Category 1A)
  - Specific Target Organ Toxicity – Repeated Exposure (Category 2)
  - Reproductive Toxicity (Category 2)
- **Signal Word:** DANGER
- **Hazard Statements:**
  - H315: Causes skin irritation
  - H319: Causes serious eye irritation
  - H335: May cause respiratory irritation
  - H351: Suspected of causing cancer
  - H372: Causes damage to organs through prolonged or repeated exposure

- H361: Suspected of damaging fertility or the unborn child

- **Pictograms:**



- **Precautionary Statements:**

- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P264: Wash hands thoroughly after handling.
- P280: Wear protective gloves, eye protection, and protective clothing.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- P308+P313: IF exposed or concerned: Get medical advice/attention.
- P405: Store locked up.
- P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

### Section 3: Composition/Information on Ingredients

| Component      | CAS Number | Weight % | Notes                           |
|----------------|------------|----------|---------------------------------|
| Iron (Fe)      | 7439-89-6  | 60–80%   | Base metal                      |
| Manganese (Mn) | 7439-96-5  | 1–5%     | Possible exposure in fumes      |
| Silicon (Si)   | 7440-21-3  | 0.5–3%   | Alloying element                |
| Chromium (Cr)  | 7440-47-3  | 0.5–2%   | May contribute to fume toxicity |
| Nickel (Ni)    | 7440-02-0  | 0.1–2%   | Known carcinogen (IARC Group 1) |

| Component                | CAS Number | Weight % | Notes        |
|--------------------------|------------|----------|--------------|
| Other proprietary alloys | N/A        | <1%      | Trade secret |

#### Section 4: First-Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash affected area with soap and water. Remove contaminated clothing.
- **Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- **Ingestion:** Not a typical route of exposure. Seek medical advice if large amounts are swallowed.
- **Most Important Symptoms:** Irritation of skin, eyes, and respiratory tract. Long-term exposure to welding fumes may lead to lung and nervous system effects.

#### Section 5: Fire-Fighting Measures

- **Suitable Extinguishing Media:** Use extinguishing media suitable for surrounding fire.
- **Specific Hazards:** Welding operations may produce sparks and hot metal.
- **Protective Equipment for Firefighters:** Use NIOSH-approved self-contained breathing apparatus (SCBA) and full protective gear.

#### Section 6: Accidental Release Measures

- **Personal Precautions:** Avoid dust formation. Use appropriate personal protective equipment.
- **Environmental Precautions:** Avoid release to environment.
- **Cleanup Methods:** Sweep or vacuum up spilled material. Avoid creating dust. Place in appropriate container for disposal.

## Section 7: Handling and Storage

- **Handling:** Use with adequate ventilation. Avoid breathing fumes and contact with skin or eyes.
- **Storage:** Store in a cool, dry, well-ventilated area. Keep container tightly closed. Store locked up.

## Section 8: Exposure Controls/Personal Protection

| Component         | OSHA PEL                     | ACGIH TLV                             |
|-------------------|------------------------------|---------------------------------------|
| Iron Oxide (Fume) | 10 mg/m <sup>3</sup> (as Fe) | 5 mg/m <sup>3</sup> (respirable)      |
| Manganese         | 5 mg/m <sup>3</sup> ceiling  | 0.1 mg/m <sup>3</sup> TWA (inhalable) |
| Nickel            | 1 mg/m <sup>3</sup>          | 0.2 mg/m <sup>3</sup>                 |
| Chromium          | 1 mg/m <sup>3</sup>          | 0.5 mg/m <sup>3</sup>                 |

- **Engineering Controls:** Use local exhaust ventilation to control exposure to welding fumes.
- **Personal Protective Equipment (PPE):**
  - Eye Protection: Safety glasses or face shield
  - Skin Protection: Protective gloves and welding apron
  - Respiratory Protection: NIOSH-approved respirators as needed

## Section 9: Physical and Chemical Properties

- **Appearance:** Solid rod/wire; metallic gray
- **Odor:** Odorless
- **Melting Point:** ~1425–1525°C
- **Boiling Point:** Not applicable
- **Solubility:** Insoluble in water
- **Flash Point:** Not applicable

- **Autoignition Temperature:** Not applicable
- **pH:** Not applicable

## Section 10: Stability and Reactivity

- **Stability:** Stable under normal storage and use
- **Incompatible Materials:** Strong acids, oxidizers
- **Hazardous Decomposition Products:** Welding fumes, including oxides of metal
- **Hazardous Polymerization:** Will not occur

## Section 11: Toxicological Information

- **Likely Routes of Exposure:** Inhalation, skin contact, eye contact
- **Symptoms:** Irritation, coughing, dizziness, metal fume fever
- **Carcinogenicity:**
  - Nickel – IARC Group 1 (carcinogenic to humans)
  - Chromium – IARC Group 2B (possibly carcinogenic)
- **Reproductive Toxicity:** Manganese may affect fertility or fetus development with chronic exposure

## Section 12: Ecological Information

- No data available. Avoid uncontrolled release into the environment.

## Section 13: Disposal Considerations

- Dispose in accordance with federal, state, and local regulations.
- Avoid disposal in waterways or sewers.

## Section 14: Transport Information

- Not regulated as hazardous under DOT or IATA regulations when in solid form.

- **UN Number:** Not applicable
- **Hazard Class:** Not applicable

### Section 15: Regulatory Information

- **TSCA Inventory:** All ingredients listed
- **SARA 313:** Contains manganese, chromium, and nickel
- **California Prop 65:** This product contains chemicals known to the State of California to cause cancer and reproductive harm (Nickel, Chromium).

### Section 16: Other Information

- **Date of Preparation/Revision:** July 2, 2025
- **Disclaimer:** The information provided in this SDS is believed to be accurate as of the date of issue. However, no warranty or representation, express or implied, is made regarding its accuracy, reliability, or completeness. Users are responsible for safe use and compliance with applicable laws.