

Safety Data Sheet

Section 1: Identification

Product Name: Gouging Carbon Electrodes

Manufacturer: Inweld Corporation

Address: 3962 Portland St, Coplay, PA 18037, UNITED STATES

Emergency Phone Number: (800) 424-9300

Inweld Phone Number: (800) 346-5368

Recommended Use: Industrial metal gouging and cutting applications

Restrictions on Use: For industrial use only; not for consumer use

Section 2: Hazard(s) Identification

Classification (per OSHA HCS 2012/GHS):

- Carcinogenicity – Category 1A
- Specific Target Organ Toxicity (Repeated Exposure) – Category 2
- Skin Irritation – Category 2
- Eye Irritation – Category 2A
- Respiratory Sensitization – Category 1
- Hazardous to the Aquatic Environment (Chronic) – Category 3

Signal Word: Danger

Hazard Statements:

- May cause cancer (inhalation).
- Causes skin irritation.
- Causes serious eye irritation.
- May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- May cause damage to organs through prolonged or repeated exposure.
- Harmful to aquatic life with long lasting effects.

Precautionary Statements:

- 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.
- Wash hands thoroughly after handling.
- If inhaled: Remove person to fresh air and keep comfortable for breathing.
- If skin irritation occurs: Get medical advice/attention.
- If eye irritation persists: Get medical advice/attention.
- Avoid release to the environment.

GHS Hazard Pictograms:



Section 3: Composition/Information on Ingredients

Ingredient	CAS Number	Concentration (%)
Carbon Electrodes (graphite)	7782-42-5	95-100
Trace metal impurities	N/A	<5

Section 4: First-Aid Measures

Inhalation:

Remove to fresh air. If breathing is difficult, give 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 develops, seek medical attention.

Eye Contact:

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

Ingestion:

Rinse mouth. Do NOT induce vomiting. Seek medical attention immediately.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media: Use dry chemical, CO₂, or water spray. Do not use water jet directly on molten metal.

Unsuitable Extinguishing Media: None known.

Specific Hazards Arising from the Chemical: May release carbon monoxide and other toxic gases when burned.

Protective Equipment: Firefighters should wear full protective gear and self-contained breathing apparatus.

Section 6: Accidental Release Measures

Personal Precautions: Avoid dust formation. Use appropriate PPE.

Environmental Precautions: Prevent entry into waterways and drains.

Methods for Cleanup: Sweep or vacuum up material and place into suitable container for disposal.

Section 7: Handling and Storage

Handling: Avoid inhalation of dust or fumes. Use adequate ventilation. Avoid skin and eye contact.

Storage: Store in a dry, cool, well-ventilated place. Keep container tightly closed.

Section 8: Exposure Controls/Personal Protection

Exposure Limits:

No specific limits; use general industry guidelines for carbon dust.

Engineering Controls: Local exhaust ventilation recommended.

Personal Protective Equipment (PPE):

- **Respiratory protection:** Use NIOSH-approved respirator if dust/fume exposure is above limits.
- **Gloves:** Chemical resistant gloves.
- **Eye protection:** Safety goggles or face shield.
- **Protective clothing:** Long sleeves to prevent skin contact.

Section 9: Physical and Chemical Properties

- **Appearance:** Black solid rods
- **Odor:** Odorless
- **Melting Point:** >3500°C (graphite)
- **Boiling Point:** Sublimes at ~3652°C
- **Solubility:** Insoluble in water
- **Density:** Approx. 1.8–2.2 g/cm³

Section 10: Stability and Reactivity

- **Stability:** Stable under normal conditions
- **Conditions to Avoid:** Avoid contact with strong oxidizers
- **Incompatible Materials:** Strong oxidizing agents
- **Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide under combustion

Section 11: Toxicological Information

- **Acute Toxicity:** Low toxicity by ingestion or skin contact.
- **Chronic Toxicity:** Prolonged inhalation of dust/fume may cause lung damage and cancer.

- **Irritation:** Causes skin and eye irritation.
- **Sensitization:** May cause respiratory sensitization.

Section 12: Ecological Information

- Harmful to aquatic life with long-lasting effects. Avoid release to environment.

Section 13: Disposal Considerations

Dispose of material in accordance with local, state, and federal regulations. Do not discharge into drains or waterways.

Section 14: Transport Information

Not regulated as a hazardous material for transport.

Section 15: Regulatory Information

This product may be subject to OSHA, EPA, and state regulations.

Section 16: Other Information

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Manufacturer Disclaimer: Information herein is believed to be accurate but is not warranted. Users must determine suitability for their purposes.