

Safety Data Sheet

SECTION 1: IDENTIFICATION

Product Identifier: Soapstone

Other Means of Identification: Talc ($\text{Mg}_3\text{Si}_4\text{O}_{10}(\text{OH})_2$)

Recommended Use: Marking metal surfaces in welding and fabrication

Restrictions on Use: Not intended for use as a cosmetic or food additive

Manufacturer:

Inweld Corporation

3962 Portland St, Coplay, PA 18037

UNITED STATES

Phone Number: (800) 346-5368

Emergency Telephone Number: (800) 424-9300 (CHEMTREC)

SECTION 2: HAZARD(S) IDENTIFICATION

Classification (GHS US):

- **Carcinogenicity** – Category 1A
- **Specific Target Organ Toxicity – Repeated Exposure (Respiratory)** – Category 1

Signal Word: DANGER

Hazard Statements:

- H350: May cause cancer (inhalation)
- H372: Causes damage to lungs through prolonged or repeated exposure (inhalation)

Precautionary Statements:

- P201: Obtain special instructions before use
- P202: Do not handle until all safety precautions have been read and understood
- P260: Do not breathe dust
- P264: Wash hands thoroughly after handling

- P280: Wear protective gloves, clothing, and eye/face protection
- P308+P313: If exposed or concerned: Get medical advice/attention
- P405: Store locked up
- P501: Dispose of contents/container in accordance with local regulations

GHS Pictograms:



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Common Name/Synonyms	CAS Number	% by Weight
Talc (containing no asbestiform fibers)	Soapstone	14807-96-6	>98%
Inert Impurities	—	—	<2%

SECTION 4: FIRST-AID MEASURES

Inhalation:

Move to fresh air. Seek medical attention if breathing becomes difficult or if symptoms persist.

Skin Contact:

Wash with soap and water. Seek medical attention if irritation develops.

Eye Contact:

Flush eyes with water for at least 15 minutes. Remove contact lenses if present. Seek medical attention if irritation persists.

Ingestion:

Rinse mouth. Seek medical advice if large quantities are swallowed or if symptoms occur.

Most Important Symptoms/Effects:

Prolonged inhalation may cause chronic respiratory issues or cancer. Repeated exposure may damage lung tissue.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Product is not flammable. Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media:

None known.

Special Hazards:

Soapstone is non-combustible; may release minor amounts of metal oxides or silica dust at high temperatures.

Firefighter Protection:

Wear NIOSH-approved self-contained breathing apparatus and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid creating dust. Wear appropriate PPE. Avoid inhalation.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Avoid discharge into drains or waterways.

Methods for Cleanup:

Sweep up dry material carefully to avoid dust generation. Dispose in accordance with local regulations.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling:

Avoid breathing dust. Use in well-ventilated areas. Wear protective equipment. Wash thoroughly after handling.

Conditions for Safe Storage:

Store in a dry, cool, well-ventilated area. Keep container tightly closed. Store locked up.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

- **OSHA PEL (Talc):** 20 mppcf (non-asbestos containing)
- **ACGIH TLV (Talc, non-asbestiform):** 2 mg/m³ (respirable fraction)

Engineering Controls:

Provide adequate ventilation or local exhaust to minimize dust exposure.

Personal Protective Equipment (PPE):

- **Respiratory:** NIOSH-approved dust respirator if exposure limits may be exceeded
- **Eye/Face Protection:** Safety glasses with side shields
- **Skin Protection:** Work gloves and protective clothing

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White to gray solid (stick or block form)
Odor:	Odorless
Odor Threshold:	Not applicable
pH:	Not applicable
Melting Point:	>1500°C (decomposes)
Boiling Point:	Not applicable
Flash Point:	Not applicable
Evaporation Rate:	Not applicable
Flammability:	Non-flammable
Vapor Pressure:	Not applicable
Vapor Density:	Not applicable
Solubility:	Insoluble in water

Appearance: White to gray solid (stick or block form)

Density: ~2.7 g/cm³

Partition Coefficient: Not applicable

Auto-ignition Temperature: Not applicable

Decomposition Temp: >800°C (may release metal oxides)

SECTION 10: STABILITY AND REACTIVITY

Reactivity:

Stable under normal conditions.

Chemical Stability:

Stable.

Possibility of Hazardous Reactions:

None under normal use.

Conditions to Avoid:

Dust generation, extreme heat.

Incompatible Materials:

Strong acids and strong oxidizers.

Hazardous Decomposition Products:

Thermal decomposition may release oxides of magnesium and silicon.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:

Inhalation, eye contact, skin contact

Symptoms:

Persistent cough, lung irritation. Prolonged exposure may cause silicosis or cancer.

Carcinogenicity:

- **IARC:** Group 1 (Carcinogenic to humans – Talc with asbestiform fibers)

- This product is non-asbestiform but may pose inhalation hazards.
- **OSHA:** Regulated as a carcinogen

Chronic Effects:

Prolonged inhalation may lead to respiratory tract damage or pulmonary fibrosis.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Not expected to be harmful to aquatic life.

Persistence and Degradability:

Inorganic; does not degrade.

Bioaccumulative Potential:

No data available.

Mobility in Soil:

Low mobility. Insoluble in water.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, state, and local regulations. Avoid generating dust during disposal. Do not discharge into waterways.

SECTION 14: TRANSPORT INFORMATION

UN Number: Not regulated

UN Proper Shipping Name: Not regulated

Transport Hazard Class: Not applicable

Packing Group: Not applicable

Environmental Hazards: None known

Transport in Bulk (Annex II MARPOL 73/78): Not applicable

Special Precautions: Avoid creating airborne dust during loading/unloading

SECTION 15: REGULATORY INFORMATION



TSCA: All components listed

SARA 313: Not listed

California Prop 65: This product contains chemicals (including talc) known to the State of California to cause cancer.

OSHA: Considered hazardous under 29 CFR 1910.1200

SECTION 16: OTHER INFORMATION

Prepared By: Inweld Corporation

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Disclaimer:

The information provided is based on current knowledge and is intended to describe the product for purposes of health, safety, and environmental requirements only. It should not be construed as guaranteeing specific properties.