



# MATERIAL SAFETY DATA SHEET

CHROMATE INDUSTRIAL CORPORATION®  
5250-A Naiman Parkway, Solon, OH 44139 • 888-567-2206 • www.chromate.com

**FOR CHEMICAL  
EMERGENCY**

Call ChemTrec day/night:  
**1-800-424-9300**

## SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FAST WELD DATE PREPARED: SEPTEMBER 23, 2010  
PART NUMBER: 74489  
PART 2 - WELDING POWDER  
CHROMATE INDUSTRIAL CORPORATION  
PRODUCT TYPE: POWDER 5250-A Naiman Parkway, Solon, OH 44139 • (888) 567-2206

## PART 2 — POWDER — SECTION 2 — INFORMATION ON COMPONENTS

CHEMICAL NAME	CAS#	%	OSHA PEL	ACGIH TLV
GLASS, OXIDE	65997-17-3	99	10 mg/m <sup>3</sup> total dust, 5mg/m <sup>3</sup> respirable	10 mg/m <sup>3</sup> inhalable, 3 mg/m <sup>3</sup> respirable
AMORPHOUS SILICONE DIOXIDE	7631-86-9	1	20 mppcf TWA (6mg/m <sup>3</sup> )	10/mg/m <sup>3</sup> total dust TWA

## SECTION 3 — HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Non-combustible white powder. Causes respiratory tract irritation. Causes mild eye irritation and slight skin irritation. Spilled material is extremely slippery.

**EYE CONTACT:** Causes mild irritation to the eyes.

**SKIN CONTACT:** Slight irritation to the skin.

**INHALATION:** Causes respiratory tract irritation.

**CHRONIC HAZARDS:** Non-known hazards. Not listed by NTP, IARC or OSHA as a carcinogen.

**PHYSICAL HAZARDS:** Spilled material is extremely slippery.

**HMIS RATING:** HEALTH: - FLAMMABILITY: - REACTIVITY: -

## SECTION 4 — FIRST AID MEASURES

**EYE:** In case of contact, immediately flush with plenty of water for at least 15 minutes. Consult medical attention if irritation persists.

**SKIN:** In case of contact, immediately wash with plenty of water. Remove contaminated clothing and shoes. Consult medical attention if irritation persists.

**INHALATION:** Remove person to fresh air. If not breathing, give artificial respiration. If respiratory irritation persists, seek medical attention.

**INGESTION:** None required.

## SECTION 5 — FIRE-FIGHTING MEASURES

**FLAMMABLE LIMITS:** This material is not flammable.

**EXTINGUISHING MEDIA:** This material is compatible with all extinguishing media.

**HAZARD TO FIREFIGHTERS:** Refer to section 3.

**SPECIAL FIRE-FIGHTING PROCEDURES:** Wear slip resistant soles and a self-contained breathing apparatus.

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

**PERSONAL PROTECTION:** Wear chemical goggles, body-covering protective clothing, impervious gloves and rubber boot with slip resistant soles, NIOSH-approved dust masks. See Section 8.

**ENVIRONMENTAL HAZARDS:** Sinks in water.

**SPILL CLEAN UP:**

**Small Spill:** Carefully shovel or sweep up spilled material and place in suitable container. Refer to Section 8 regarding personal protection.

**Large Spill:** Isolate hazard area and deny entry. Do not walk through spilled area. Carefully shovel or sweep up spilled material and place in suitable container. Refer to Section 8 regarding Personal Protection.

**CERCLA RQ:** There is no reportable quantity for this material

N/A — NOT APPLICABLE

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

N/L — NOT LISTED

**SECTION 7 — HANDLING AND STORAGE**

**HANDLING:** Avoid all contact with eyes, skin, and clothing. Avoid breathing dust. Keep container closed when not in use. Wash thoroughly after handling.

**STORAGE:** Keep container closed when not in use. Store in clean metal or plastic containers.

**SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Use with adequate ventilation.

**RESPIRATORY PROTECTION:** Use a NIOSH-approved respirator where dust occurs.

**SKIN PROTECTION:** Wear body covering protective clothing.

**EYE PROTECTION:** Wear safety eyewear with sideshields.

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** Glass Powder

**COLOR:** White

**pH:** N/A

**MELTING POINT:** 730°C

**ODOR:** None

**SPECIFIC GRAVITY:** 2.5

**SOLUBILITY IN WATER:** Insoluble

**SECTION 10 — STABILITY AND REACTIVITY**

**STABILITY:** This product is stable under all conditions.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None.

**MATERIALS TO AVOID:** Hydrofluoric acid.

**SECTION 11 — TOXICOLOGY INFORMATION**

**ACUTE DATA:** When tested for primary irritation potential, a similar material was mildly irritating to the eyes and slightly irritating to the skin. Acute oral toxicity has not been tested. A similar glass material was tested non toxic to rats at 5,000 mg/kg.

**SUBCHRONIC DATA:** There are no known reports of subchronic toxicity of non-fibrous glass.

**SECTION 12 — ECOLOGICAL INFORMATION**

Not known.

**SECTION 13 — DISPOSAL INFORMATION**

Dispose in accordance with federal, state and local regulations. This product is not classified as RCRA hazardous waste.

**SECTION 14 — TRANSPORT INFORMATION**

**DEPARTMENT OF GROUND TRANSPORTATION (49 CFR):** Material is not regulated as hazardous material for transportation.

**INTERNATIONAL AIR TRANSPORTATION (ICAO/IATA):** Material is not regulated as hazardous material for transportation.

**IMO/IMDG TRANSPORTATION:** Material is not regulated as hazardous material for transportation.

**SECTION 15 — REGULATORY INFORMATION**

**CERCLA:** No reportable quantity established.

**TSCA INVENTORY STATUS:** All ingredients are listed in the TSAC inventory.

**SARA TITLE III:** Not an extremely hazardous substance under 302 or a toxic chemical under 313.

**SECTION 16 — OTHER INFORMATION**

To the best of our knowledge, the information contained herein is accurate. However, no liability whatsoever is assumed for the accuracy or completeness of the information contained herein. Final determination of suitability of any materials is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.