



# 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:** MAY, 21 2015  
**PART NUMBER:** 74489  
**PART 1 - ADHESIVE; PART 2 - WELDING POWDER** **CHROMATE INDUSTRIAL CORPORATION**  
**5250-A Naiman Parkway, Solon, OH 44139 • (888) 567-2206**  
**PRODUCT TYPE:** CYANOACRYLATE

## PART 1 — ADHESIVE — SECTION 2 — INFORMATION ON COMPONENTS

CHEMICAL NAME	CAS NUMBER	WEIGHT %	ACGIH TLV	OSHA PEL	OTHER
ETHYL CYANOACRYLATE	7085-85-0	95-98	0.2 ppm TWA	None	None
PROPRIETARY	PROPRIETARY	2-5	None	None	None

## SECTION 3 — HAZARDS IDENTIFICATION

**INGESTION:** Not expected to be harmful by means of ingestion. Rapidly polymerizes and bonds in mouth.  
**SKIN:** *BONDS SKIN INSTANTLY!* May cause skin irritation. Cyanoacrylates, generate heat on polymerization. Large amounts on skin could cause burning. Cured adhesive doesn't present health hazard when bonded to skin.  
**INHALATION:** Exposure to high concentration of vapor above established exposure limit could result in respiratory irritation, breathing difficulty, and/or tightness in chest.  
**EYES:** Will cause irritation and excessive tearing. Eyelids may bond instantly.  
**HMIS RATING:** **HEALTH: 2** **FLAMMABILITY: 2** **REACTIVITY: 1**

## SECTION 4 — FIRST AID MEASURES

**INGESTION:** Product will polymerize rapidly and bond to the mouth making it difficult to swallow. Saliva will separate bonded product in several hours. Make sure breathing passages are unobstructed. Consult medical attention.  
**SKIN:** *DO NOT PULL ON BONDED SKIN.* Soak in warm, soapy water for several minutes and pick apart with a clean instrument such as tweezers. Peel or roll lips apart, but do not pull directly apart with opposing force.  
**INHALATION:** In case of exposure to high concentration of vapors, remove person to fresh air. If respiratory irritation persists, seek medical attention.  
**EYES:** Immediately flush with plenty of water (under eye lids) at least 15 minutes. If eyelids are bonded closed. Release eyelashes with warm water by using a wet pad and soaking the affected area. *DO NOT FORCE EYES OPEN.* Keep eye covered until debonding is complete which usually takes 2 – 3 days. Seek medical attention and make sure polymerized product doesn't get trapped behind eyelids which can cause abrasive damage to cornea.

## SECTION 5 — FIRE-FIGHTING MEASURES

**FLASHPOINT:** 80°C - 94°C (TCC Method)  
**AUTO-IGNITION TEMPERATURE:** 480°C  
**LOWER EXPLOSIVE LIMITS:** N/D  
**HIGHER EXPLOSIVE LIMITS:** N/D  
**EXTINGUISHING MEDIA:** Use water fog, foam, dry chemical or carbon dioxide to extinguish flames.  
**SPECIAL FIRE-FIGHTING MEASURES:** Firefighters should wear full protective clothing and self-contained breathing apparatus. Thoroughly decontaminate fire fighting equipment and fire-fighting apparel after the incident.

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

Ventilate area well. Flood spills with water to completely polymerize material. Cured material can be scraped from floor and disposed of as non-hazardous waste.

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 fumes or vapors. Wash thoroughly after handling. Avoid contact with cloth composed of cotton or paper because these materials will cause rapid polymerization resulting in strong, irritating vapors. Smoke will also be emitted as a result of rapid polymerization. Thermal burns are likely under these conditions.

**STORAGE:** Keep in a cool, well-ventilated area away from excessive heat, sources of sparks/ignition, and open flames. Keep containers tightly closed when not in use. Material may be kept in freezer below 0°C for maximum stability. Product should come to room temperature before using.

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

**ENGINEERING CONTROLS:** If general ventilation is not sufficient to keep vapor concentration below established exposure levels, use local, positive down-draft exhaust.

**RESPIRATORY PROTECTION:** A respirator protection program that meets OSHA 1910.134 must be followed whenever workplace conditions warrant the use of a respirator.

**SKIN PROTECTION:** Use nitrile gloves and aprons to avoid contact. Do not use PVC, cotton fiber, or nylon materials.

**EYE PROTECTION:** Chemical splash safety eyewear with side shields is always recommended.

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** Colorless, liquid

**ODOR THRESHOLD:** < 5 ppm

**pH:** N/A

**BOILING POINT:** > 150°C

**VAPOR PRESSURE:** < 0.3 mm Hg @ 25°C

**VOLATILE ORGANIC CONTENT:** 25 gms/L

**ODOR:** Sharp, irritating

**SPECIFIC GRAVITY:** 1.10 @ 25°C

**SOLUBILITY IN WATER:** Polymerizes in presence of water

**EVAPORATION RATE:** N/D

**VAPOR DENSITY:** N/D

**SECTION 10 — STABILITY AND REACTIVITY**

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

**HAZARDOUS POLYMERIZATION:** Will occur in the presence of water, amines, alkaline materials, and alcohols.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None.

**INCOMPATIBILITY:** Water, amines, alkaline materials, and alcohols.

**CONDITIONS TO AVOID:** Environments promoting uncontrolled polymerization such as presence of incompatible materials.

**SECTION 11 — TOXICOLOGY INFORMATION**

**ACUTE ORAL LD<sub>50</sub>:** >4500 mg/kg (rat)

**ACUTE DERMAL LD<sub>50</sub>:** >2000 mg/kg (rabbit)

**NTP CARCINOGEN:** Negative

**IARC CARCINOGEN:** Negative

**OSHA CARCINOGEN:** Negative

**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):****Proper Shipping Name:** Combustible liquids, n.o.s. (Cyanoacrylate ester)**Hazard Class / Division:** Combustible liquid**Identification Number:** NA 1993**Packing Group:** III**Exceptions:** (Not more than 450 liters), Unrestricted**Marine Pollutant:** None**INTERNATIONAL AIR TRANSPORTATION (ICAO/IATA):****Proper Shipping Name:** Aviation regulated liquids, n.o.s. (Cyanoacrylate ester)**Hazard Class / Division:** 9**Identification Number:** UN 3334**Packing Group:** None**Exceptions:** Primary packs containing less than 500ml are unregulated by this mode of transport and may be shipped unrestricted.**IMO/IMDG TRANSPORTATION:****Proper Shipping Name:** Unrestricted**Hazard Class / Division:** None**Identification Number:** None**PACKING GROUP:** None**Marine Pollutant:** None**SECTION 15 — REGULATORY INFORMATION****TSCA INVENTORY STATUS:** All components are listed.**SARA SECTION 302:** None**SARA SECTION 311/312:** Immediate/Delayed Health Hazard, Fire, Reactive**SARA SECTION 313:** None**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.



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## SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** FAST WELD

**DATE PREPARED:** MAY 21, 2015

**PART NUMBER:** 74489  
PART 2 - WELDING POWDER

**CHROMATE INDUSTRIAL CORPORATION**

**PRODUCT TYPE:** POWDER

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## 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

**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.