

## TECHNICAL RESOURCES

# Cooper Industries/Crouse-Hinds Division: MSDS for Chico A Sealing Compound

**MATERIAL SAFETY DATA SHEET****CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

<b>COMMON NAME:</b>	Chico A Sealing Compound/Chico A3/Chico A4/Chico A05/Chico A200
<b>CHEMICAL NAME:</b>	Mixture
<b>FORMULA:</b>	Mixture
<b>PRODUCT CAS NO.:</b>	Mixture
<b>SUPPLIER:</b>	Cooper Industries/Crouse-Hinds Division
<b>ADDRESS:</b>	P.O. Box 4999
<b>CITY, STATE, ZIP:</b>	Syracuse, NY 13221-4999
<b>PHONE:</b>	(315)477-7000 Emergency Phone: 1-800-424-9300 CHEMTREC

**INGREDIENTS: COMPOSITION/INFORMATION**

INGREDIENT	% WEIGHT	PEL-OSHA	TLV-ACGIH	LD 50/LC 50 ROUTE/ SPECIES
Fused Calcium Aluminate  CAS No.: 65997-16-2  RTECS: No Data	60 - 70	15 mg/m <sup>3</sup> (total)  5 mg/m <sup>3</sup> (resp.)  PNOR	10 mg/m <sup>3</sup>  PNOC	No Data
Plaster of Paris  CAS No.: 26499-65-0  RTECS: TP0700000	30 - 35	15 mg/m <sup>3</sup> (total)  5 mg/m <sup>3</sup> (resp.)  PNOR	10 mg/m <sup>3</sup> * (inhalable)  3 mg/m <sup>3</sup> * (resp.)  PNOC	No Data

Crystalline Silica (quartz)	< 2	10 mg/m <sup>3</sup> /(% SiO <sub>2</sub> +2) (respirable)	0.05 mg/m <sup>3</sup> (respirable)	No Data
CAS No.: 14808-60-7				
RTECS: VV7330000		30 mg/m <sup>3</sup> /(% SiO <sub>2</sub> + 2) (total)		

\* Value is for particulate matter containing no asbestos and < 1% crystalline silica.

## HAZARDS IDENTIFICATION

### POTENTIAL HEALTH EFFECTS

**EYES:** Dusts may cause eye irritation and inflammation (conjunctivitis).

**SKIN:** Powder may cause dryness and irritation with repeated contact. When mixed with water, this material expands and becomes warm or hot as it hardens. DO NOT attempt to make a cast enclosing any part of the body using this material. Heat may cause severe burns and expansion may result in decreased circulation that may require surgical removal of affected tissue or amputation of limb.

**INHALATION:** Inhalation of dusts may cause upper respiratory irritation, coughing, laryngitis and nasal congestion. Repeated exposure over time may affect the lungs.

**INGESTION:** Product will harden inside the body. Ingestion of sufficient quantities can result in blockage or obstruction especially in the pyloric region of the digestive tract.

**SIGNS AND SYMPTOMS:** General eye, skin, and respiratory irritation. Symptoms of silicosis may include phlegm, coughing, tiredness, and shortness of breath (see Chronic).

**CHRONIC:** Repeated inhalation of dusts containing quartz over time may cause progressive fibrotic lung disease (silicosis) and increase the risks of developing respiratory cancer.

### POTENTIAL HEALTH EFFECTS (continued)

#### CARCINOGENICITY

IARC: Yes      NTP: Yes      OSHA: No\*

\* Quartz is listed as "carcinogenic to humans (Group 1) by IARC and as a substance "known to be a human carcinogen" (Group II.A.) by NTP. Although OSHA has not promulgated a specific standard for quartz, quartz should be treated as a confirmed carcinogen for hazard communication purposes (29 CFR Part 1910.1200(d)(4)).

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Dusts may aggravate pre-existing eye, skin and respiratory conditions.

**TARGET ORGANS:** Eyes, skin, respiratory system

### FIRST AID MEASURES

**EYE CONTACT:** Flush eyes with lukewarm water for 15 minutes occasionally lifting the lower and upper lids. If irritation persists, seek medical attention.

**SKIN CONTACT:** Rinse skin with water then wash with soap and water. Remove contaminated clothing. If irritation persists, seek medical attention.

**INHALATION:** Acute exposure is not expected. If large quantities of dust are inhaled, remove to fresh air. Give oxygen or artificial respiration if indicated. Seek medical attention.

**INGESTION:** Small amounts are not harmful. If significant amounts are ingested, get immediate medical attention.

### FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES		
FLASH POINT: Not Applicable		
NFPA HAZARD CLASSIFICATION:		
HEALTH: 1	FLAMMABILITY: 0	INSTABILITY: 0
FLAMMABLE LIMITS:	LEL: Not Applicable	UEL: Not Applicable
EXTINGUISHING MEDIA: Any. Use media appropriate for surrounding fire.		
FIRE AND EXPLOSION HAZARDS: Non-flammable and non-combustible. Thermal decomposition at high temperatures may produce SO <sub>x</sub> , and small amounts of other oxidation products.		
FIRE FIGHTING EQUIPMENT: Firefighters should wear a NIOSH/MSHA-approved, full-facepiece self-contained breathing apparatus(SCBA) operated in positive pressure mode and full turnout gear.		
ACCIDENTAL RELEASE MEASURES		

Isolate area of spill. Do not walk through or otherwise scatter spilled materials. Use wet clean-up methods (wiping, water mists, etc.) or a vacuum equipped with a filter sufficient to prevent recirculation of crystalline silica into the workplace to remove dusts. Do not use dry sweeping or compressed air to remove dusts from the workplace. Do not inhale dusts. Wear protective equipment appropriate for the level of exposure. Scrape up hardened material and wipe residue. **DO NOT FLUSH PRODUCT INTO DRAINS AS PRODUCT CAN HARDEN AND BLOCK DRAIN.**

## HANDLING AND STORAGE

Keep product dry. Store in well-ventilated area, in closed containers. Minimize or eliminate dust creation during handling and storage procedures. Periodically clean work and storage areas to minimize dust accumulation. Use wet clean-up methods or a vacuum to remove dusts. Wear protective goggles, gloves, long sleeves, and respiratory protection as necessary to prevent exposure. Storage and work areas should be periodically cleaned to minimize dust accumulation. Do not inhale dusts. Vacuum dusty clothing before removal. Launder work clothing separately and rinse washer after use.

## EXPOSURE CONTROLS/PERSONAL PROTECTION

**RESPIRATORY PROTECTION:** Under normal working conditions below acceptable exposure guidelines, none required. For exposures above acceptable limits, wear NIOSH approved respiratory protection in accordance with 29 CFR 1910.134.

**SKIN PROTECTION:** Protective gloves and long sleeves are recommended.

**EYE PROTECTION:** Protective goggles

**PERSONNEL SAMPLING PROCEDURE:**

Dusts: Polyvinyl chloride filter, 5.0 µm (NIOSH 0500, total; NIOSH 0600, resp.)

Respirable Silica (crystalline): Pre-weighed polyvinyl chloride filter, 5.0 µm (NIOSH 7500, resp.)

**ENGINEERING CONTROLS:** Local exhaust ventilation used in combination with general ventilation as necessary to control air contaminants to at or below acceptable exposure guidelines.

## PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:**

Light gray powder

**ODOR:**

Odorless

**BOILING POINT:**

Not Applicable

**VAPOR PRESSURE:**

Not Applicable

**VAPOR DENSITY:**

Not Applicable

**SOLUBILITY IN WATER:**

Negligible

<b>SPECIFIC GRAVITY:</b>	3
<b>MELTING POINT:</b>	1300-1400 ° C
<b>pH:</b>	Not Applicable
<b>% VOLATILE:</b>	Not Applicable

**STABILITY AND REACTIVITY**

STABILITY: Stable.

INCOMPATIBILITY: Reacts in water to form gypsum.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition (above 1450 ° C) will produce toxic sulfur dioxide, metal oxides, calcium oxide, and other oxidation products.

HAZARDOUS POLYMERIZATION: Will not occur.

**DISPOSAL CONSIDERATIONS**

Recycle, reclaim and dispose of in accordance with applicable local, state and federal regulations. Dispose per 40 CFR Part 261 and 262.

**TRANSPORT INFORMATION**

DOT: Not classified

**REGULATORY INFORMATION**

WHMIS CLASSIFICATION: D2B, D2A

OSHA Regulatory Status (29 CFR 1910.1200): This material is classified as hazardous under OSHA regulations.

SARA TITLE III – SECTION 313 SUPPLIER NOTIFICATION: This product does not contain ingredients subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and 40 CFR 372.

SARA 304 (CERCLA): Product does not contain ingredients subject to release reporting under CERCLA, Section 304, and SARA Title III.

CALIFORNIA PROPOSITION 65: This product contains an ingredient known to the State of California to cause cancer (quartz).

### OTHER INFORMATION

ACGIH: American Conference of Governmental Industrial Hygienists

IARC: International Agency for Research on Cancer

MSHA: Mine Safety and Health Administration

NIOSH: National Institute for Occupational Safety and Health

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limits

PNOC: Particulate Not Otherwise Classified

PNOR: Particulate Not Otherwise Regulated

TLV: Threshold Limit Value

### DISCLAIMER

The information in this MATERIAL SAFETY DATA SHEET should be provided to all who will use, handle, store, transport, or otherwise be exposed to this material. This information has been prepared for the guidance of plant engineering, operations and management, and for persons working with or handling this material. Cooper Industries/Crouse-Hinds Division believes this information to be reliable and up-to-date as of the date of publication, but makes no warranty that it is.

### CHICO A

#### Contains

**Name:**

Fused Calcium Aluminate  
Plaster of Paris  
Quartz

**CAS Number(s):**

65997-16-2  
26499-65-0  
14808-60-7

### CAUTION!

**HARDENS AND BECOMES WARM OR HOT TO TOUCH WHEN WET -  
DO NOT USE TO MAKE CASTS FOR ANY PART OF THE BODY**

**CASTS MAY CAUSE BURNS OR TISSUE DAMAGE  
MAY CAUSE EYE, SKIN, AND RESPERATORY IRRITATION**

**CANCER HAZARD - CONTAINS CRYSTALLINE SILICA  
REPEATED DUST INHALATION OVER TIME CAN CAUSE CANCER AND LUNG DIEASE**

Avoid skin and eye contact. Do not inhale dusts.

Keep product dry. To clean wipe up or vacuum dusts. Do not rinse down drains - Product may harden in pipes.

**FIRST AID:** For contact: Flush eyes with water for 15 minutes; Wash skin thoroughly with soap and water. If irritation persists, seek medical attention. Product hardens in water. Ingestion of sufficient quantities may result in obstruction. Seek medical attention.

For further information consult Material Safety Data Sheet for this material.

IF 1365

Revision Date: 5/23/02

**Cooper Crouse-Hinds**  
P.O. Box 4999  
Syracuse, NY 13221-4999

Cooper Crouse-

*Phone:* 315.477.5440

*Fax:* 315.477.5179

<http://www.crouse-hinds.com/>