

## **Section 1 Product and Company Identification**

**Chemical Product Name:** Chico A/Chico A3/Chico A4/Chico A05/Chico A200

**Product Description:** Sealing Compound

**CAS Number:** Mixture

**Synonyms:** NA

**Recommended Use(s):** Sealing compound

**Company Information:** Cooper Industries/Crouse-Hinds LLC  
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Syracuse, NY 13221-4999  
USA

**Telephone:** (315) 477-7000

**Emergency Phone:** CHEMTREC (800) 424-9300

## **Section 2 Hazards Identification**

### **Emergency Overview**

**Causes severe skin burns and eye damage.  
Repeated inhalation over time may cause silicosis and lung cancer.**

### **Health Hazards/Caution Statements**

#### **Classification According To Regulation (EC) No 1272/2008 [CLP/GHS]:**

Hazard classes and categories:

H314 Causes severe skin burns and eye damage.

H350 May cause cancer

H373 May cause damage to respiratory system through prolonged or repeated exposure

#### **Label Elements:**

Signal Word: Danger

Symbols, Pictograms: Corrosion (GHS05); Health Hazard (GHS08)

Hazard Statements:

May cause cancer by inhalation (Category 1A)

May cause respiratory irritation (Category 3)

Causes severe skin burns and eye damage (Category 1C)

Precautionary Statements:

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash hands thoroughly after handling.

Wear protective gloves and eye protection.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing.

If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Store locked up.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required.

IF exposed or concerned: Get medical attention/advice.

Get medical advice/attention if you feel unwell

Store locked up.

Dispose of contents/container to an approved landfill (in accordance with local/regional/national/international regulation).

#### Hazard and Precautionary Statement Codes

Hazard Statements: H314, H350, H373

Precautionary Statement Prevention: P201, P260, P264, P280, P281

Precautionary Statement Response: P301+P330+P331, P303+P361+P353, P363, P304+P340, P308+P313, P310, P321, P305+P351+P338, P314

Precautionary Statement Storage: P405

Precautionary Statement Disposal: P501

See Section 16 for explanations of codes.

**Other hazards:** None known.

**OSHA Status:** This product is a hazardous chemical, as defined by OSHA at 29 CFR 1910.1200.

**Potential health effects:** May cause eye, skin, or respiratory irritation. Repeated inhalation may increase the risk of developing cancer.

**Health effects/target organs:** Eyes, skin, respiratory system.

**Relevant routes of exposure:** This product is a mechanical irritant, and is not expected to produce any chronic health effects from acute exposures. Treatment should be directed toward removing the source of irritation with symptomatic treatment as necessary.

**Inhalation:** Inhalation of dusts and fibers may cause upper respiratory irritation with coughing, sneezing, and nasal irritation. Repeated exposure over time may affect the lungs (see below).

**Skin contact:** Dusts may cause general skin irritation. Fibers may cause mechanical irritation and itching.

**Eye contact:** Dusts may cause general eye irritation. Fibers may cause irritation and scratch the outer surface of the eye.

**Ingestion:** Relatively non-toxic. No known effects.

**Existing conditions aggravated by exposure:** Inhalation of dusts and fibers may aggravate pre-existing respiratory disease (i.e., asthma, bronchitis, emphysema, etc.).

#### **Potential Environmental Effects**

This product is not expected to have an adverse effect on the environment.

### **Section 3 Composition and Information on Ingredients**

<b>Component</b>	<b>CAS #</b>	<b>%</b>
Fused calcium aluminate	65997-16-2	60 – 70
Plaster of Paris	26499-65-0	30 – 35
Portland cement	65997-15-1	< 4
Crystalline silica	14808-60-7	< 2

### **Section 4 First Aid Measures**

**Eye Contact:** Holding eyelids away from the eyeballs, flush eyes thoroughly with lukewarm water for 15 minutes. Do not rub. If irritation persists, seek medical attention.

**Skin Contact:** Remove contaminated clothing and wash skin thoroughly with soap and water. Do not rub or scratch skin. Use cream or lotion after washing. If irritation persists, seek medical attention.

**Inhalation:** If inhalation of dusts results in coughing, sneezing, or nasal irritation, remove to fresh air until symptoms subside. Give oxygen or artificial respiration if indicated. Seek medical attention.

**Ingestion:** Product can harden inside the body. If ingested, seek immediate medical attention.

**Notes to physician:** Ingestion of sufficient quantities can result in blockage or obstruction especially in the pyloric region of the digestive tract.

## **Section 5 Fire Fighting Measures**

**Special Fire Fighting Procedures:** No unusual fire hazards.

**Extinguishing media:** Use media appropriate for surrounding fire.

**Protective Equipment:** Firefighters should wear a NIOSH-approved, full face piece self-contained breathing apparatus (SCBA) operated in positive pressure mode and full turnout gear.

**Unusual Fire or Explosion Hazards:** Non-flammable and non-combustible.

**Hazardous combustion products:** Thermal decomposition may produce oxides of carbon.

## **Section 6 Accidental Release Measures**

**Personal Protection:** Wear protective equipment appropriate for the level of exposure. If dust is present, wear NIOSH type N95 or N100 filter during cleanup. Avoid prolonged skin contact.

**Spill Procedures:** Isolate the hazard and deny entry to unnecessary and unprotected personnel. Do not walk through or otherwise scatter spilled material. Clean dusts promptly to prevent dispersion. Do not inhale dusts.

**Environmental Precautions and Cleanup Methods:** Use dry clean-up methods or a vacuum equipped with a filter sufficient to prevent re-circulation of dust into the work place. Do not use compressed air to remove dusts from work and storage areas.

## **Section 7 Handling and Storage**

**Precautions:** Periodically clean storage and work areas where this product is used or stored to minimize dust accumulation. Do not inhale dusts. Store in well-ventilated area in closed containers. Use dust collectors and local exhaust ventilation when cutting or trimming with power tools. Do not use compressed air or dry sweeping to remove dust from work area. Vacuum dusty clothing before removal. Launder work clothing separately and rinse washer after use. Avoid skin contact. Do not attempt to make a cast enclosing any part of the body using this material, as heat may cause severe burns and expansion may result in decreased circulation that may require surgical removal of affected tissue or amputation of limb.

**Storage:** Store in a well-ventilated area. Keep containers well closed.

## **Section 8 Exposure Controls and Personal Protection**

**Engineering Controls/Ventilation:** Local exhaust ventilation used in combination with general ventilation as necessary to control air contaminants to at or below acceptable exposure guidelines.

**Eye Protection:** Safety glasses or protective goggles.

**Respiratory Protection:** Under normal working conditions with airborne exposures below acceptable exposure guidelines, none required. Where dust is present and for airborne exposures above acceptable limits, wear NIOSH approved respiratory protection, such as N95 or N100 respirator, in accordance with OSHA 29 CFR 1910.134.

**Skin Protection:** Protective gloves and long sleeved clothing or coveralls with loose fitting cuffs and collars.

Component	CAS #	OSHA/PEL	ACGIH/TLV
Fused calcium aluminate	65997-16-2	Not established	Not established
Plaster of Paris	26499-65-0	Not established	Not established
Portland cement	65997-15-1	15 mg/m3**	10 mg/m3****
Crystalline silica	14808-60-7	10 mg/m3**	0.05 mg/m3*
Total dust		15 mg/m3	10 mg/m3
Respirable dust		5 mg/m3	5 mg/m3

\* Respirable fibers greater than 5 micrometers (µm) in length and having an aspect ratio greater than or equal to 3:1, as determined by the membrane filter method at 400 – 450 times magnification (4-millimeter [mm] objective) using phase contrast illumination.

\*\* 10 mg/m3 / (% quartz + 2 x % cristobalite + 2) for respirable dust

CA, MI, WA, HI, MN and VT PEL for crystalline silica:

Respirable Quartz: 0.1 mg/m3, Respirable Cristobalite: 0.05 mg/m3

\*\*\* 50 mppcf TWA (PEL listed under Silicates (less than 1% crystalline silica), Portland Cement)

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

## **Section 9 Physical and Chemical Properties**

**Color:** Light gray

**Physical form:** Powder

**Odor:** Odorless

**Odor Characteristics:** NA

**Odor Threshold:** NA

**pH (undiluted):** Not applicable

**Flash Point:** Not Applicable

**Flammability (solid, gas):** Non flammable

**Boiling Point:** Not applicable

**Evaporation Rate:** Not applicable

**Melting Point:** 1300 - 1400 °C  
**Lower Explosive Limit:** Not Applicable  
**Upper Explosive Limit:** Not Applicable  
**Vapor Pressure:** Not applicable (at 70 °F)  
**Vapor Density:** Not applicable  
**Specific Gravity:** 3  
**Solubility:** Slight  
**Auto-ignition Temperature:** NA  
**Decomposition Temperature:** > 1450 °C

### **Section 10 Stability and Reactivity**

**Stability:** Stable under normal use and storage conditions.

**Hazardous polymerization:** Will not occur.

**Oxidizing Properties:** None known for product.

**Hazardous Decomposition Products:** Thermal decomposition (above 1450 °F) will produce toxic sulfur dioxide, metal oxides, calcium oxide, and other oxidation products.

**Incompatibilities:** None known.

**Conditions to avoid:** When mixed with water, an exothermic reaction takes place. If large quantities of this product are mixed with sufficient quantities of water, steam can be formed. The heat from the steam can cause burns.

### **Section 11 Toxicological Information**

**Acute toxicity and immediate effects:** No data is available for this material.

**Oral LD50 (rat):** Plaster of Paris: 5000 mg/kg. No data is available for other components of this material.

**Inhalation LC50 (rat):** No data is available for this material.

**Dermal LD50:** No data is available for this material.

**Delayed and chronic effects:** Repeated inhalation of dusts containing crystalline silica over time may cause progressive fibrotic lung disease (silicosis) and may increase risk of developing lung cancer.

**Carcinogenicity:**

IARC: Yes\*

NTP: Yes\*

OSHA: No\*

\* Crystalline silica dust is classified as "carcinogenic to humans" (Group 1) by IARC and as a substance "known to be a human carcinogen" (Group 2A) by NTP. Crystalline silica dust should be handled as a confirmed carcinogen for hazard communication purposes (OSHA 29 CFR 1910.1200(d)(4)).

**Mutagenicity:** No data is available for this material.

**Reproductive toxicity:** No data is available for this material.

**Sensitization:** No data is available for this material.

**Signs and symptoms of overexposure:**

**If Inhaled:** Coughing, nasal congestion, laryngitis, respiratory irritation.

**If Ingested:** 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.

**If on Skin or Eyes:** Irritation, dryness, burns.

**Section 12 Ecological Information**

This product is not expected to have an adverse effect on the environment. Avoid exposure to environment whenever possible.

**Toxicity to fish:** NA

**Ecotoxicological Information:** NA

**Chemical Fate Information:** NA

**Section 13 Disposal Considerations**

Recycle, reclaim, or dispose of contents/container to an approved landfill in accordance with local, regional, national, international regulations. Do not discard into any sewers, on the ground, or into any body of water. It is the responsibility of the waste generator to determine the proper waste identification and disposal methods.

**Section 14 Transportation Information**

**Proper Shipping Name:** Not classified as hazardous by DOT, IATA/ICAO, and IMO.

**Hazard Class:** Not classified as hazardous by DOT, IATA/ICAO, and IMO.

**Packing Group:** Not classified as hazardous by DOT, IATA/ICAO, and IMO.

**UN Number:** Not classified as hazardous by DOT, IATA/ICAO, and IMO.

**Section 15 Regulatory Information**

**TSCA Inventory Status:** All ingredients are listed on the TSCA inventory.

**SARA Section 311/312 Hazard Categories:** Immediate (acute) and delayed (chronic) hazards

**Section 313 Toxic Chemicals:** 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.

**CERCLA RQ:** This product does not contain ingredients subject to the report requirements of SARA 304 (CERCLA) and 302 (EHS).

**California Proposition 65:** This product contains a chemical known to the State of California to cause cancer (quartz).

**Canadian Regulations:** All components of this product are included in the Canadian Domestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL).

**WHMIS Classification:** D2A

## **Section 16 Other Information**

**Revision Number:** Revision 1

**Revision Date:** April 15, 2011

### **Explanation of EU Directive 1272/2008 Codes**

P201 Obtain special instructions before use.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P281 Use personal protective equipment as required.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P363 Wash contaminated clothing before reuse.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P310 Immediately call a POISON CENTER or doctor/physician.

P321 Specific treatment (see ... on this label).

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314 Get medical advice/attention if you feel unwell.

P405 Store locked up.

P501 Dispose of contents/container to appropriate solid waste disposal facility.



**Abbreviations**

CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	US Code of Federal Regulations
HSIS	Australia Hazardous Substance Information System
IARC	International Agency for Research on Cancer
LD50	Lethal dose to 50% of exposed laboratory animals
NA	Not available
NIOSH	US National Institute of Occupational Safety and Health
NOEC	No observed effect concentration
NTP	US National Toxicology Program
OSHA	US Occupational Safety Health Administration
PEL	Permissible exposure limit
RQ	Reportable quantity
SARA	Superfund Amendments and Reauthorization Act
STEL	Short term exposure limit
TSCA	Toxic Substances Control Act
TWA	Time weighted average
UN	United Nations
WHMIS	Canada Workplace Hazardous Material Information System

**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 Crouse-Hinds believes this information to be reliable and up-to-date as of the date of publication, but makes no warranty that it is.