

Section 1 Product and Company Identification

Chemical Product Name: Chico X Fiber/Chico X4/Chico X6/Chico X7
Product Description: Vitreous fiber from slag and/or basalt (mixture)
CAS Number: Mixture
Synonyms: NA
Recommended Use(s): Mineral wool used to create a dam or plug for sealing compound
Company Information: Cooper Industries/Crouse-Hinds LLC
P.O. Box 4999
Syracuse, NY 13221-4999
USA
Telephone: (315) 477-7000
Emergency Phone: CHEMTREC (800) 424-9300

Section 2 Hazards Identification

Emergency Overview

**May cause eye irritation.
May cause skin irritation.
May cause upper respiratory irritation with coughing, sneezing, and nasal irritation.
Repeated fiber inhalation over time may increase the risk of developing lung cancer.**

Health Hazards/Caution Statements

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

Signal Word: Warning

Symbol(s): Health Hazard; Exclamation Mark

Hazard Statements:

Suspected of causing cancer from repeated inhalation (Category 2)

May cause respiratory irritation (Category 3)

Mild skin irritant (Category 3)

Causes eye irritation (Category 2B)

Precautionary Statements:

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.

Use only outdoors or in well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray.

Call a POISON CENTER or doctor/physician if you feel unwell.

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

If skin irritation occurs, get medical advice/attention.

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

If eye irritation persists, get medical advice/attention.

Wash hands after handling.

Store locked up.

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

Classification According To Directive 1999/45/EC [DPD]:

Symbol: Xn (Harmful)

Risk Phrases:

R36/37/38; R40(3)

Safety Phrases:

S36/37/39; S22; S26; S28; S45; S51

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 of fibers 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. Fibers may penetrate the skin.

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

Component	CAS #	%
Mineral Wool Fiber (Slag wool fiber)	65997-17-3	95 – 99
Mineral Oil	8012-95-1	Less than 5

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 or fibers 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: No harmful effects are expected from ingestion of small quantities. If gastric disturbance occurs, see medical attention.

Notes to physician: Although not toxic, fibers may cause mechanical irritation of mucous membranes.

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-facepiece 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.

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 so fibers are not dispersed. Do not inhale dusts. Avoid prolonged skin contact.

Environmental Precautions and Cleanup Methods: Use wet clean-up methods (wiping, water mists, etc.) or a vacuum equipped with a filter sufficient to prevent re-circulation of fibers into the work place. Do not use dry sweeping or compressed air to remove dusts and fibers from work and storage areas.

Section 7 Handling and Storage

Precautions: Periodically clean areas with wet methods where this product is used or stored to minimize dust and fiber 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 prolonged skin contact.

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. For airborne exposures above acceptable limits, wear NIOSH approved respiratory protection 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
Mineral Wool Fiber (Slag wool fiber) RTECS: No data	65997-17-3	Not established	1 fiber/cc (respirable fibers*)
Mineral Oil RTECS: XH7480000	8012-95-1	5 mg/m ³ (as oil mist)	5 mg/m ³ ** (as oil mist) 10 mg/m ³ (STEL) (as oil mist) 0.2 mg/m ³ (as mineral oil) (2005 Notice of Intended Change)

* 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.

** As sampled by a method that does not collect vapor.

Section 9 Physical and Chemical Properties

Color: Gray or off white

Physical form: Fibrous material

Odor: Slight

Odor Characteristics: NA

Odor Threshold: NA

pH (undiluted): Not applicable

Flash Point: Not Applicable

Flammability (solid, gas):

Boiling Point: Not applicable

Evaporation Rate: Not applicable

Melting Point: 2100 °F (1149 °C)

Lower Explosive Limit: Not Applicable

Upper Explosive Limit: Not Applicable

Vapor Pressure: Not applicable (at 70 °F)

Vapor Density: Not applicable

Specific Gravity: NA

Solubility: Insoluble in water

Auto-ignition Temperature: NA

Decomposition Temperature: 2100 °F

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 2100 °F) may produce oxides of carbon and smoke.

Incompatibilities: Acids (may give off hydrogen sulfide under certain acidic conditions).

Conditions to avoid: None known for product.

Section 11 Toxicological Information

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

Oral LD50 (rat): No data is available for 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 fiber inhalation over time may increase risk of developing lung cancer.

Carcinogenicity:

IARC: No*

NTP: Yes*

OSHA: No*

* IARC classified glasswool and slagwool as “not classifiable as to carcinogenicity in humans” (Group 3). NTP classifies ceramic fibers and glasswool as substances, which are “reasonably anticipated to be human carcinogens.” Although OSHA has not promulgated a specific standard for man-made vitreous fibers, fibers released from this product should be treated as a possible human carcinogen for hazard communication purposes (OSHA 29 CFR Part 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, sneezing, and nasal irritation

If Ingested: Stomach discomfort

If on Skin or Eyes: Irritation and itching

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.

Hazard Class: Not classified as hazardous by DOT.

Packing Group: Not classified as hazardous by DOT.

UN Number: Not classified as hazardous by DOT.

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 (glass wool fibers).

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: D2B

Section 16 Other Information

Revision Number: Revision 1

Revision Date: February 28, 2011

Explanation of Risk/Safety Codes

R36/37/38 – Irritating to eyes, respiratory system and skin.

R40(3) – Possible risks of irreversible effects.

S36/37/39 – Wear suitable protective clothing, gloves and eye/face protection.

S22 – Do not breathe dust.

S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 – After contact with skin, wash immediately with plenty of soap-suds.

S45 – In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).

S51 – Use only in well ventilated areas.

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

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