

TECHNICAL RESOURCES

Cooper Industries/Crouse-Hinds Division: MSDS for Chico X Fiber

MATERIAL SAFETY DATA SHEET

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
COMMON NAME:	CHICO X Fiber/Chico X4/Chico X6/Chico X7
CHEMICAL NAME:	Vitreous fiber from slag and/or basalt (mixture)
FORMULA:	Mixture
PRODUCT CAS NO.:	Mixture
SUPPLIER:	Cooper Industries/Crouse-Hinds Division
ADDRESS:	P.O. Box 4999
CITY, STATE, ZIP:	Syracuse, NY 13221-4999
PHONE:	(315)477-7000 Emergency Phone: 1-800-424-9300 CHEMTREC

INGREDIENTS: COMPOSITION/INFORMATION				
INGREDIENT	% BY WEIGHT	PEL-OSHA	TLV-ACGIH	LD ₅₀ /LC ₅₀ ROUTE/SPECIES
Mineral Wool Fiber CAS No.: 65997-17-3 RTECS: No Data	95 - 99	None Established	1 fiber/cc ¹	No Data
Mineral Oil CAS No.: 8012-95-1 RTECS: XH7480000	< 1	5 mg/m ³	5 mg/m ³ ² 10 mg/m ³ (STEL)	No Data

¹ Respirable Fibers: length > 5 µ m; aspect ratio ≥ 3:1, as determined by the membrane filter method at 400-450 X magnification (4-mm objective) using phase contrast illumination.

² As sampled by a method which does not collect vapor.

HAZARDS IDENTIFICATION
POTENTIAL HEALTH EFFECTS
EYES: Fibers may cause irritation and scratch outer surface of the eye. SKIN: May cause mechanical irritation and itching. Fibers may penetrate the skin.
INHALATION: Inhalation of dusts and fibers may cause upper respiratory irritation. SIGNS AND SYMPTOMS: Dusts may cause general eye, skin, and respiratory irritation with coughing sneezing and nasal irritation.
CHRONIC: Repeated fiber inhalation over time may increase risks of developing respiratory cancer.
CARCINOGENICITY IARC: Yes NTP: Yes OSHA: No* IARC classified glasswool and slagwool as possibly carcinogenic to humans (Group 2B). 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 (29 CFR Part 1910.1200(d)(4)). MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Inhalation of dusts and fibers may aggravate pre-existing respiratory disease (i.e.: asthma, bronchitis, emphysema, etc.). TARGET ORGANS: Eyes, skin, respiratory system.
FIRST AID MEASURES
EYE CONTACT: Holding eyelids away from eyeball, 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: Acute exposure is not anticipated. If large quantities of dust are inhaled and breathing is difficult, remove to fresh air. Give oxygen or artificial respiration if indicated. Seek medical attention.

OTHER: Non-toxic but fibers may irritate or penetrate mucous membranes. Drink 3-4 ounces of milk or water and seek medical advice.

FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: Not Applicable

NFPA HAZARD CLASSIFICATION:

HEALTH: 0

FLAMMABILITY: 0

INCOMPATIBILITY: 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 will produce oxides of carbon.

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

Do not walk through or otherwise scatter spilled material. Clean dusts promptly so fibers are not dispersed. Use wet clean-up methods (wiping, water mists, etc.) or a vacuum equipped with a filter sufficient to prevent recirculation of fibers into the work place. Do not use dry sweeping or compressed air to remove dusts and fibers from work and storage areas. Do not inhale dusts. Wear protective equipment appropriate for the level of exposure.

HANDLING AND STORAGE

Periodically clean areas 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.

EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Under normal working conditions below acceptable exposure guidelines, none required. For concentrations above acceptable exposure 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.

EYE PROTECTION: Safety glasses or protective goggles.

PERSONNEL SAMPLING PROCEDURE:

Fibers : Mixed cellulose ester 25 mm filter, 0.8 µ m (NIOSH 7400)

Oil Mists : Polyvinyl chloride filter 37mm filter, 5.0 µ m (NIOSH 5026)

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

	PHYSICAL AND CHEMICAL PROPERTIES
APPEARANCE:	Gray or tan colored fibrous material
ODOR:	Slight
MELTING POINT:	2400 ° F (approximate)
SOLUBILITY IN WATER:	Insoluble
SPECIFIC GRAVITY:	No Data
MELTING POINT:	No Data

STABILITY AND REACTIVITY

STABILITY: Stable.

INCOMPATIBILITY: Acids (gives off H₂S under certain acidic conditions)

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: 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 chemicals 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.

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

OTHER INFORMATION

ACGIH: American Conference of Governmental Industrial Hygienists

IARC: International Agency for Research on Cancer

NIOSH: National Institute for Occupational Safety and Health

NTP: National Toxicology Program

MSHA: Mine Safety and Health Administration

OSHA: Occupational Safety and Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

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 X

Contains

Name: Mineral Wool fiber Mineral oil	CAS Number(s): 65997-17-3 8012-95-1
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CAUTION!

DUSTS AND FIBERS MAY CAUSE EYE, SKIN, AND RESPIRATORY IRRITATION.

**POSSIBLE CANCER HAZARD - CONTAINS RESPIRABLE FIBERS
REPEATED DUST INHALATION OVER TIME MAY CAUSE CANCER BASED ON ANIMAL
DATA**

Fibers may cause mechanical irritation. Do not inhale dusts and fibers. To remove dusts, wipe up or vacuum dusts.

FIRST AID: For contact: Flush eyes with water for 15 minutes; Wash skin thoroughly with soap and water. If irritation persists, seek medical attention.

Wear safety glasses, protective gloves and long sleeved clothing with loose fitting cuffs and collars when handling.

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

IF 1366

Revision Date: 5/23/02

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