

CAP-1799

capco**CAPCO PIPE COMPANY, INC.**

A Subsidiary of ASARCO Incorporated

ASBESTOS CEMENT PIPE**MATERIAL SAFETY
DATA SHEET****A. GENERAL INFORMATION:**

TRADE NAME (COMMON NAME OR SYNONYM) CAPCO Asbestos Cement Pipe		FGL PRODUCT CODE #	
CHEMICAL NAME Asbestos-Silica-Portland Cement Mixture			
FORMULA SiO ₂ -3MgO*2SiO ₂ *2H ₂ O-Na ₂ O*Fe ₂ O ₃ *3FeO*8SiO ₂ *H ₂ O-Cement		MOLECULAR WEIGHT NOT APPLICABLE	
ADDRESS (No., STREET, CITY, STATE AND ZIP CODE) Capco Pipe Company, Inc. P.O. Box 3435 Birmingham, Alabama 35205 35251			
CONTACT General Information - Department of Environmental Sciences	PHONE NUMBER DAY 801-262-2459 NIGHT 801-943-1754	ISSUED DATE 3/14/83	REVISED DATE 3/14/83
First Aid Information - (Dr. C. H. Hine) DAY 415-777-2213 NIGHT 415-777-2214			
Transportation Emergencies - CHEMTREC 800-424-9300			

B. INGREDIENTS

MATERIAL OR COMPONENT	C.A.S. #	WT. %	PERMISSIBLE AIR CONCENTRATION
Asbestos (chrysotile, crocidolite)	1332-21-4	15-20	2 fibers/cc 10 fibers/cc - ceiling
Silica (SiO ₂)	1480-60-7	30-35	10 % SiO ₂ + 2
			☒ OSHA ☐ ACGIH ☐ OTHER

C. FIRST AID MEASURES:

Inhalation: No first aid is required for inhalation. Consult a physician if symptoms of chronic exposure develop.

Skin or Eyes: Flush with plenty of water. If symptoms develop, consult a physician.

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D. HAZARDS INFORMATION:**HEALTH**

INHALATION
Chronic inhalation of dust may cause silicosis or asbestosis with symptoms of labored breathing, chest pains, weakness and chest tightness.

INGESTION

None reported.

SKIN

Dermatitis may result from exposure to cement dust.

EYES

Eye irritation may occur from exposure to dust.

MEDICAL CONDITIONS POSSIBLY AGGRAVATED

Diseases of the lungs.

UNUSUAL CHRONIC TOXICITY

Lung and gastrointestinal cancers or mesotheliomas may occur. Cigarette smoking increases the probability of these diseases occurring.

FIRE AND EXPLOSION**FLASH POINT****°C**

NOT APPLICABLE

AUTO IGNITION**TEMPERATURE****°C**

NOT APPLICABLE

FLAMMABLE LIMITS IN AIR (% BY VOL.)

NOT APPLICABLE

☐ OPEN CUP ☐ CLOSED CUP

UNUSUAL FIRE AND EXPLOSION HAZARDS

None. Asbestos materials do not burn.

E. PRECAUTIONS/PROCEDURES:**FIRE EXTINGUISHING AGENTS RECOMMENDED**

NOT APPLICABLE

FIRE EXTINGUISHING AGENTS TO AVOID

NOT APPLICABLE

SPECIAL FIRE FIGHTING PRECAUTIONS

Use NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing if involved in fire.

ENGINEERING CONTROLS

Local exhaust ventilation is required for sawing, sanding, cutting, beveling or other operations which generate dust to keep exposures below permissible exposure levels. Use wet methods where possible.

NORMAL HANDLING

Keep dust to a minimum during all handling. Wet methods should be used where possible.

STORAGE

General storage procedures acceptable.

SPILL OR LEAK

A clean-up procedure which minimizes exposure is required. Vacuuming is preferred. Place all material in closed containers. Do not use compressed air for cleaning. Use water or other dust suppressants where sweeping is unavoidable.

SPECIAL: PRECAUTIONS/PROCEDURES/LABEL INSTRUCTIONS

Signs and labels in work areas and for contaminated containers or equipment may be required under OSHA regulations. Medical examinations, monitoring, recordkeeping and hygiene facilities and practices specified by OSHA may have to be met.

Label signal word: **CAUTION**

PERSONAL HYGIENE

Practice good housekeeping and personal hygiene procedures. No tobacco or food in work area. Wash thoroughly before eating or smoking. Avoid ingestion or inhalation. Take a shower and change clothes at end of shift. Do not wear contaminated clothing home. Do not use compressed air for blowing dust off of clothes.

F. PERSONAL PROTECTIVE EQUIPMENT**RESPIRATORY PROTECTION**

A NIOSH/MSHA approved respirator for toxic dust is required if the permissible exposure level may be exceeded.

EYES AND FACE

Safety glasses recommended where the possibility of getting dust particles in eyes exists.

HANDS, ARMS, AND BODY

Full protective clothing such as coveralls or similar whole body clothing, head coverings, gloves, and foot coverings is required if the permissible exposure limits may be exceeded. This protective clothing should not be worn home. Laundering should be provided. Contaminated clothing should be transported in sealed, labeled impermeable bags.

OTHER CLOTHING AND EQUIPMENT

NOT APPLICABLE

G. PHYSICAL DATA

MATERIAL IS (AT NORMAL CONDITIONS): ☐ LIQUID ☒ SOLID ☐ GAS ☐ _____		APPEARANCE AND ODOR Light gray, odorless Various shapes and sizes	
BOILING POINT NOT APPLICABLE MELTING POINT NOT APPLICABLE		SPECIFIC GRAVITY (H ₂ O = 1) 1.77	VAPOR DENSITY (AIR = 1) NOT APPLICABLE
SOLUBILITY IN WATER (% by Weight) INSOLUBLE		pH NOT APPLICABLE	VAPOR PRESSURE (mm Hg at 20° C) ☐ (PSIG) ☐ NOT APPLICABLE
EVAPORATION RATE (Butyl Acetate = 1) ☐ (Ether = 1) ☐ NOT APPLICABLE		% VOLATILES BY VOLUME (At 20° C) NOT APPLICABLE	

H. REACTIVITY DATA

STABILITY ☐ UNSTABLE ☒ STABLE		CONDITIONS TO AVOID NOT APPLICABLE
INCOMPATIBILITY (MATERIALS TO AVOID) NOT APPLICABLE		
HAZARDOUS DECOMPOSITION PRODUCTS NOT APPLICABLE		
HAZARDOUS POLYMERIZATION ☐ MAY OCCUR ☒ WILL NOT OCCUR		CONDITIONS TO AVOID NOT APPLICABLE

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I. ENVIRONMENTAL

EPA HAZARDOUS SUBSTANCE? ☐ YES ☒ NO IF SO, REPORTABLE QUANTITY: _____

40 CFR
116.117

WASTE DISPOSAL METHODS (DISPOSER MUST COMPLY WITH FEDERAL, STATE AND LOCAL DISPOSAL OR DISCHARGE LAWS)

Dispose of asbestos material in accordance with EPA regulations 40 CFR 61.20, National Emission Standard for Asbestos (Clean Air Act). All chips, cuttings and dust should be collected, placed in sealed bags, labeled and disposed in an approved landfill.

RCRA STATUS OF UNUSED MATERIAL:

Material should be considered a solid waste under RCRA and should be disposed of in accordance with EPA regulations 40 CFR 257.

40 CFR
261

J. REFERENCES**PERMISSIBLE CONCENTRATION REFERENCES**

OSHA Regulation 29 CFR 1910.1001
OSHA regulations for airborne contaminants 29 CFR 1910.1000

HAZARD INFORMATION REFERENCES

"Documentation of the Threshold Limit Values," 4th Ed., ACGIH
Patty's Industrial Hygiene and Toxicology, Vol. 2A, 3rd Rev. Ed., 1981
Hamilton, A. and Hardy, H., "Industrial Toxicology" 3rd ed., 1974

GENERAL

ANSI Z9.2-1971, Fundamentals Governing the Design and Operation of Local Exhaust Systems
ANSI Z88.2-1969, Practices for Respiratory Protection
American Water Works Association, Manual C-16
CAPCO Installation Manuals
Asbestos Cement Pipe Producers Publications

K. ADDITIONAL INFORMATION

Information (hazards, precautions, first aid, etc.) is abbreviated. More detailed information is contained in references found in Section J.

THIS MATERIAL SAFETY DATA SHEET IS OFFERED SOLELY FOR YOUR INFORMATION, CONSIDERATION AND INVESTIGATION.

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