

CertainTeed

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Material Safety Data Sheet

(For more information, contact Medical Department)

Section I. Material Identification

Chemical Name and Synonyms:

Silica

Trade Name and Synonyms:

Asbestos/Cement Pipe

Chemical Family: Mineral

Formula: SiO₂

This MSDS applies to Silica contained in CertainTeed Corporation Asbestos/Cement Pipe products.

See also, MSDS for Asbestos in CertainTeed Corporation Asbestos/Cement Pipe products.

Section II. Ingredients and Hazards

MIXTURE:

Silica (Crystalline)

*millions of particles per cubic foot
**milligrams per cubic meter

Asbestos

***fibers per cubic centimeter

%

5% or less
in finished
product

10-20% by
weight

Hazard Data

8-hr TLV (Respir. Dust)
250 mppcf* or 10 mg/m³**
% SiO₂ + 5 % SiO₂ + 2

8-hr TLV (Total Dust)
30 mg/m³
% SiO₂ + 2

8-hr TLV 2 fibers/cc***
Ceiling 10 f/cc
(> 5 µm in length)

Section III. Physical Data

Boiling Point (°F.)	4050	Specific Gravity (H ₂ O = 1)	2.65
Vapor Pressure (mm Hg.)	N/A	Percent Volatile by Volume (%)	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate (____ = 1)	N/A
Solubility in Water	Insoluble		

Appearance and Odor: When pure, material is white powder or colorless crystals. Impurities can produce various colorations. Material is odorless.

Section IV. Fire and Explosion Data

Flash Point and Method:

Autoignition Temp.

Flammability Limits in Air

N/A

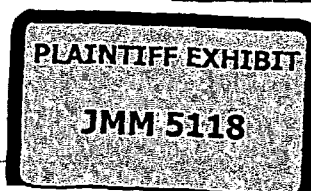
N/A

N/A

EXTINGUISHING MEDIA: Use that which is appropriate for surrounding fire. This material is non-combustible.

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Section V. Health Hazard Information TLV (See Section II)

Excessive inhalation of particles can cause silicosis, a disabling scarring of the lungs which gradually reduces lung capacity and efficiency. Symptoms include dyspnea, chest pain, decreased vital capacity and cough.

Smoking can increase the risk of injury.

Section VI. Reactivity Data

This is a stable material.

Section VII. Spill, Leak and Disposal Procedures

Steps to be taken in case material is released or spilled: Pipe fragments and installation debris must be handled in a manner which avoids airborne dispersion of dust. Use wet or vacuum method for cleanup. Avoid inhalation of dust.

Waste disposal method: Dispose in accordance with Federal, State and Local regulations.

Section VIII. Special Protection Information

Respiratory Protection: Not required when recommended work practices are followed.

Ventilation: N/A

Special: N/A

Mechanical (General): N/A

Other: N/A

Protective Gloves: Not required

Eye Protection: Not required

Other Protective Clothing: Not required when recommended work practices are used.

Section IX. Special Precautions and Comments

Precautions to be taken in storage and handling: Always use industry-recommended work practices when handling or performing field operations. See manufacturer's installation manual, American Water Works Association Manual M-16, or Asbestos/Cement Pipe Producers Association publications for detailed information on industry recommended work practices.

Other precautions: Do not cut or bevel Asbestos/Cement Pipe or fittings with abrasive disc saws or abrasive disc sanders.

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