

# CertainTeed

CertainTeed Corporation P.O. Box 860  
Valley Forge, PA 19482 (215) 687-5000

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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:  $\text{SiO}_2$

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/m<sup>3</sup>\*\*  
%  $\text{SiO}_2 + 5$  %  $\text{SiO}_2 + 2$

8-hr TLV (Total Dust)  
30 mg/m<sup>3</sup>  
%  $\text{SiO}_2 + 2$

8-hr TLV 2 fibers/cc\*\*\*  
Ceiling 10 f/cc  
( $> 5 \mu\text{m}$  in length)

### Section III, Physical Data

|                         |           |                                               |      |
|-------------------------|-----------|-----------------------------------------------|------|
| Boiling Point (°F.)     | 4050      | Specific Gravity ( $\text{H}_2\text{O} = 1$ ) | 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.