

SAFETY DATA SHEET
Quartz Crucible and Pads

SECTION 1: IDENTIFICATION

Trade name : Q-Fiber® Bulk, Q-Fiber® Felt

Details of the supplier of the safety data sheet

Company:

CEM Corporation
3100 Smith Farm Road
Matthews, NC 28104

Telephone: 704-821-7015

Fax: 704-821-7894

SECTION 2: HAZARD(S) IDENTIFICATION

GHS Classification

Carcinogenicity : Category 2

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H351 Suspected of causing cancer if inhaled.

Precautionary statements :

Prevention:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P281 Use personal protective equipment as required.

Response:

P308 + P313 IF exposed or concerned: Get medical advice/attention.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.



Other hazards

Temporary mechanical abrasion (itching) of skin, eyes and respiratory tract may occur upon exposure to fibers or dust during handling of this product and cannot occur unless there is direct contact. Abrasion effects should subside after cessation of exposure.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Nature

Pure non-crystalline (amorphous) silica fiber (99.9+% SiO₂) Felt formed from 98.5+% pure amorphous silica fibers using a water deposition process.

Hazardous components

Chemical name	CAS-No.	Concentration (%)
Pure amorphous silica microfiber	Not Assigned	> 98.5 - <= 100

SECTION 4: FIRST-AID MEASURES

General advice	: Get medical attention if symptoms occur.
If inhaled	: Move to fresh air. If symptoms persist, call a physician.
In case of skin contact	: Take off all contaminated clothing immediately. If on skin, rinse well with water. Get medical attention if irritation develops and persists.
In case of eye contact	: In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.
If swallowed	: If symptoms persist, call a physician. Rinse mouth with water to remove dust or fibers and drink plenty of water to help reduce irritation.
Most important symptoms and effects, both acute and delayed	: None known.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Avoid dust formation.
Methods and materials for containment and cleaning up : Take up mechanically.
Pick up and arrange disposal without creating dust.

SECTION 7: HANDLING AND STORAGE

Advice on protection against fire and explosion : Provide appropriate exhaust ventilation at places where dust is formed.
Advice on safe handling : For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Conditions for safe storage : Keep in a dry, cool place.
Materials to avoid : No materials to be especially mentioned.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Pure amorphous silica Microfiber	Not Assigned	TWA	1 fiber/cm ³	Recommended:
nuisance dust	Not Assigned	TWA (Total particulate)	15 mg/m ³	OSHA
		TWA (Respirable fraction)	5 mg/m ³	OSHA

As a member of the North American Insulation Manufacturers Association (NAIMA), JM subscribes to the NAIMA Product Stewardship Program (NPSP). Under the NPSP, JM recommends that exposures be limited to the voluntary concentration of 1 f/cc TWA. The NPSP also includes work practice and respiratory protection recommendations. For more information see NAIMA's Health and Safety Reference Library (website: <http://insulationinstitute.org/toolsresources/resource-library/health-safety/>) to find the Product Stewardship Program Pocket Folder (N052) and other Fact Sheets.

Personal protective equipment

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Hand protection
Remarks : For prolonged or repeated contact use protective gloves.
Eye protection : Safety glasses



Skin and body protection : Long sleeved clothing
Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance : loose, nonwoven
Colour : white
Odour : odourless
Odour Threshold : No data available
pH : Not applicable
Melting point/range : Not applicable
Boiling point/boiling range : Not applicable
Flash point : Not applicable
Evaporation rate : Not applicable
Flammability (solid, gas) : No data available
Upper explosion limit : Not applicable
Lower explosion limit : Not applicable
Vapour pressure : Not applicable
Relative vapour density : Not applicable
Relative density : No data available
Density : Not applicable
Solubility(ies)
 Water solubility : Not applicable
Solubility in other solvents : No data available
Partition coefficient : No data available
noctanol/water
Auto-ignition temperature : No data available
Thermal decomposition : Not applicable
Viscosity
 Viscosity, dynamic : Not applicable
 Viscosity, kinematic : Not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : No decomposition if used as directed.
Conditions to avoid : No data available

SECTION 11: TOXICOLOGICAL INFORMATION

Further information

Product:



Remarks: Pure silica fibers are of similar dimensions and durability (biopersistence) than glass microfibers (special purpose fibers). JM has adopted an internal GHS classification of a category 2 carcinogen, suspected of causing cancer. Temporary mechanical abrasion (itching) of skin, eyes and respiratory tract may occur upon exposure to fibers or dust during handling of this product and cannot occur unless there is direct contact.

SECTION 12: ECOLOGICAL INFORMATION (NON-MANDATORY)

Ecotoxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects

Product

Additional ecological information: Due to the properties of the product, a hazard to the environment may not be expected.

SECTION 13: DISPOSAL CONSIDERATIONS (NON-MANDATORY)

Disposal methods

Disposal of residual product : In accordance with local and national regulations.

SECTION 14: TRANSPORT INFORMATION (NON-MANDATORY)

International transport regulations

These products are not classified as dangerous goods according to international transport regulations.

SECTION 15: REGULATORY INFORMATION (NON-MANDATORY)

TSCA list

TSCA - 5(a) Significant New Use Rule List of Chemicals : No substances are subject to a Significant New Use Rule.

U.S. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D) : No substances are subject to TSCA 12(b) export notification requirements.

EPCRA - Emergency Planning and Community Right-to-Know Act CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Chronic Health Hazard

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

California Prop 65 WARNING! This product contains a chemical known to the State of California to cause cancer., While amorphous silica is not on the Prop 65 list, JM believes these fibers could behave similarly to special purpose, biopersistent, glass wool fibers; therefore, we are providing a Prop 65 warning.

Glass wool fibers (inhalable and biopersistent) Not Assigned

The components of this product are reported in the following inventories:

TSCA : On TSCA Inventory
: silica, vitreous

DSL : All components of this product are on the Canadian DSL
: silica, vitreous

SECTION 16: OTHER INFORMATION

This information is presented in good faith and believed to be accurate as of the date shown. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.