

SAFETY DATA SHEET  
**Glass Fiber Pads**

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**SECTION 1: IDENTIFICATION**

**Product identifier**

Glass Filtration Media

**Recommended use**

Filtration applications.  
As supplied, the product is expected to pose no immediate health or fire hazard. Dusts generated during subsequent processing may pose the hazards described in this Safety Data Sheet.

**Recommended restrictions**

None know.

**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

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**SECTION 2: HAZARD(S) IDENTIFICATION**

Physical hazards

Not classified.

Health hazards

Carcinogenicity

Category 2

OSHA defined hazards

Not classified.

**Label elements**



**Signal word**

Warning

**Hazard statement**

Suspected of causing cancer by inhalation.

**Precautionary statement**



**Prevention:** The following prevention statements apply to the exposure to product dust. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** If exposed or concerned: Get medical advice/attention.

**Storage:** Not available.

**Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)**      None known.

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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixtures

<b>Chemical name</b>	<b>CAS number</b>	<b>%</b>
Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide content greater than 18% by wt.		75-95
Other components below reportable levels		5-25

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### SECTION 4: FIRST-AID MEASURES

**Inhalation:** Call a physician if symptoms develop or persist.

**Skin:** contact Wash off with soap and water. Get medical attention if irritation develops and persists.

**Eye contact:** Rinse with water. Get medical attention if irritation develops and persists.

**Ingestion:** Rinse mouth. Get medical attention if symptoms occur.

**Most important symptoms/effects, acute and delayed:** Dusts may irritate the respiratory tract, skin and eyes.

**Indication of immediate medical attention and special treatment needed:** Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

**General information:** IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

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### SECTION 5: FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media:** Not available.

**Specific hazards arising from the chemical:** Not applicable.

**Special protective equipment and precautions for firefighters:** Not available.

**General fire hazards:** No unusual fire or explosion hazards noted.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** For personal protection, see section 8 of the SDS.

**Methods and materials for containment and cleaning up:** Sweep up or vacuum up spillage and collect in suitable container for disposal. For waste disposal, see section 13 of the SDS.

**Environmental precautions:** Avoid discharge into drains, water courses or onto the ground.

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling:** Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities:** Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<u>Components</u>	<u>Type</u>	<u>Value</u>	<u>Form</u>
Particulates Not Otherwise Regulated	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.

### US. OSHA Table Z-3 (29 CFR 1910.1000)

<u>Components</u>	<u>Type</u>	<u>Value</u>	<u>Form</u>
Particulates Not Otherwise Regulated	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.

### US. ACGIH Threshold Limit Values

<u>Components</u>	<u>Type</u>	<u>Value</u>	<u>Form</u>
Particulates Not Otherwise Regulated	TWA	3 mg/m3	Respirable particles.

### US. ACGIH Threshold Limit Values

<u>Components</u>	<u>Type</u>	<u>Value</u>	<u>Form</u>
		10 mg/m3	Inhalable particles.

### US. NIOSH: Pocket Guide to Chemical Hazards

<u>Components</u>	<u>Type</u>	<u>Value</u>	<u>Form</u>
Man-made vitreous	TWA	3 fibers/cm3	Dust.



(silicate) fibres with random orientation with alkaline oxide and alkali earth oxide content greater than 18% by wt.

3 fibers/cm3	Fiber.
5 mg/m3	Fiber, total
5 mg/m3	fibers, total dust

**Biological limit values:** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls:** As supplied, the product is expected to pose no immediate health or fire hazard.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection:** Wear safety glasses with side shields (or goggles).

**Skin protection**

**Hand protection:** Wear appropriate chemical resistant gloves.

**Other:** Normal work clothing (long sleeved shirts and long pants) is recommended.

**Respiratory protection:** Wear respirator with dust filter.

**Thermal hazards:** Not available.

**General hygiene considerations:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

	Nonwoven Media
Physical state	Solid.
Form	Solid. Sheets or rolls.
Color	White.

Odor Odorless.

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not available.

**Upper/lower flammability or explosive limits**

Flammability limit – lower (%) Not available.

Flammability limit – upper (%) Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Relative density Not available.

**Solubility(ies)**

Solubility (water) Not available.

Partition coefficient Not available.



(n-octanol/water)  
Auto-ignition temperature Not available.  
Decomposition temperature Not available.  
Viscosity Not available.

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** The product is stable and non-reactive under normal conditions of use, storage and transport.  
**Chemical stability:** Material is stable under normal conditions.  
**Possibility of hazardous reactions:** No dangerous reaction known under conditions of normal use.  
**Conditions to avoid:** Contact with incompatible materials.  
**Incompatible materials:** Not available.  
**Hazardous decomposition products:** No hazardous decomposition products are known.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Inhalation** Dust may irritate respiratory system. Prolonged inhalation may be harmful.

**Skin contact** Not available.

**Eye contact** Not available.

**Ingestion** Not available.

**Symptoms related to the physical, chemical and toxicological characteristics:** Dusts may irritate the respiratory tract, skin and eyes.

**Information on toxicological effects:** Acute toxicity

<u>Components</u>	<u>Species</u>	<u>Test Results</u>
Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide content greater than 18% by wt.		
Inhalation		
NOAEL	Rat	> 30 mg/m <sup>3</sup> , 24 months, 6hr/d, 5d/wk
<b>Skin corrosion/irritation</b>		Prolonged skin contact may cause temporary irritation.
<b>Serious eye damage/eye irritation</b>		Direct contact with eyes may cause temporary irritation.
<b>Respiratory or skin sensitization</b>		
Respiratory sensitization		Not available.
Skin sensitization		This product is not expected to cause skin sensitization.
<b>Germ cell mutagenicity</b>		No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>		Suspected of causing cancer by inhalation.
NTP Report on Carcinogens		Reasonably Anticipated to be a Human Carcinogen.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)		Not listed.



<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not available.
<b>Chronic effects</b>	Prolonged inhalation may be harmful.

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## **SECTION 12: ECOLOGICAL INFORMATION (NON-MANDATORY)**

**Ecotoxicity:** Not expected to be harmful to aquatic organisms.

**Persistence and degradability:** No data is available on the degradability of this product.

**Bioaccumulative potential:** No data available.

**Mobility in soil:** No data available.

**Other adverse effects:** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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## **SECTION 13: DISPOSAL CONSIDERATIONS (NON-MANDATORY)**

**Disposal instructions:** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazardous waste code:** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products:** Dispose of in accordance with local regulations.

**Contaminated packaging:** Not available.

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## **SECTION 14: TRANSPORT INFORMATION (NON-MANDATORY)**

**DOT:** Not regulated as dangerous goods.

**IATA:** Not regulated as dangerous goods.

**IMDG:** Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable.



**SECTION 15: REGULATORY INFORMATION (NON-MANDATORY)**

**US federal regulations:** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

One or more components are not listed on TSCA.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):** Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):** Not listed.

**CERCLA Hazardous Substance List (40 CFR 302.4):** Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories Immediate Hazard** - No

**Delayed Hazard** - Yes

**Fire Hazard** - No

**Pressure Hazard** - No

**Reactivity Hazard** - No

**SARA 302 Extremely hazardous substance:** Not listed.

**SARA 311/312 Hazardous chemical:** Yes

**SARA 313 (TRI reporting):** Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:** Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):** Not regulated.

**Safe Drinking Water Act (SDWA):** Not regulated.

**US state regulations**

US. Massachusetts RTK - Substance List

US. New Jersey Worker and Community Right-to-Know Act

US. Pennsylvania Worker and Community Right-to-Know Law

US. Rhode Island RTK - Not regulated.

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australian	Inventory of Chemical Australia Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
European	Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).



A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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## **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.