



# SAFE USE INSTRUCTIONS SHEET

For High Strength Composite Fiber products

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## 0. Introduction

The European Regulation (ER) on Chemicals No. 1907/2006 (REACH) enforced on June 1<sup>st</sup>, 2007 does only require Safety Data Sheet (SDS) for hazardous substances and preparations. Our High Strength Composite Fiber products are articles under REACH and therefore, no SDS is legally required.

**Owens Corning** provides its customers with the appropriate information for assuring the safe handling and use of High Strength Composite Fiber products through a **Safe Use Instructions Sheet**.

## 1. PRODUCT and COMPANY IDENTIFICATION

<b>Generic Product Name</b>	High Strength Composite Fiber products
<b>Commercial names</b>	Cem-FIL MiniBars™
<b>Recommended uses</b>	Reinforcement of concrete and others mineral matrix
<b>Supplier contact</b>	European Owens Corning Fiberglas SPRL Chaussée de la Hulpe 166 1170 Brussels Belgium + 32 26 74 82 11
<b>Health contact</b>	(8am-5pm CET): European R&D: + 33 479 75 53 00 <a href="mailto:productcompliance@owenscorning.com">productcompliance@owenscorning.com</a>

## 2. HAZARDS IDENTIFICATION

This product is not classified hazardous according to European Regulation n°1272/2008.

This section identifies the potential hazards related to the article i.e. its shape, its dimensions and other physical characteristics.

May cause skin abrasion or puncture in case of direct manual handling.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Cem-FIL MiniBars™ are made of ca. 75 - 85% (w/w) of alkali-resistant Continuous Filament Glass Fibers and ca. 15 - 25% (w/w) of cured vinyl ester resin. They are available in the form of sticks, cut at various lengths (20 to 60 mm).

## 4. FIRST AID MEASURES

<b>Eye contact</b>	<ul style="list-style-type: none"><li>• Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes</li><li>• Do not rub or scratch eyes</li><li>• If eye irritation persists, consult a specialist.</li></ul>
<b>Skin contact</b>	<ul style="list-style-type: none"><li>• Wash off immediately with soap and <u>cold</u> water.</li><li>• DO NOT rub or scratch affected areas.</li><li>• If skin irritation persists, call a physician</li></ul>
<b>Inhalation</b>	<ul style="list-style-type: none"><li>• Inhalation of this product is unlikely</li></ul>

## 5. FIRE-FIGHTING MEASURES

Only the hardened vinyl-ester resin is combustible and could release small quantities of hazardous gas in case of major and prolonged heat or fire.

Glass fibers are not flammable, are incombustible and do not support combustion.

Avoid exposing the product to open flames.

**Suitable extinguishing media**

- water
- dry chemical
- foam
- carbon dioxide (CO<sub>2</sub>)

**Protective Equipment and Precautions for Firefighters**      Wear self-contained breathing apparatus (SCBA) and full fire fighting protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**      Avoid contact with the skin and the eyes.

**Methods for Clean-up**

- Pick up and transfer to properly labeled containers
- Shovel the spilled material into a container

## 7. HANDLING AND STORAGE

**Handling**

- Wear appropriate personal protective equipment in case of direct contact with the product. (See section 8)
- Prevent and/or minimize dust formation

**Storage**

- Keep product in its packaging until use to minimize potential dust generation.
- Avoid exposing the product to open flames.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

There is no Occupational Exposure Limit directly associated with Cem-FIL MiniBars™, except airborne nuisance dust which may occur under certain severe process conditions (e.g. shredding, cutting, etc.).

**The occupational exposure limits mentioned below are applicable to airborne dust exposure.**

### Exposure limit(s)

	Respirable Dust	Total Dust
AGCIH	3 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Austria	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Belgium	3 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Denmark	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Finland	-	10 mg/m <sup>3</sup>
France	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Germany	1,25 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Ireland	4 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Italy	3 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Netherlands	3 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Norway	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Portugal	3 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Spain	3 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Sweden	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Switzerland	3 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
United Kingdom	4 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>

**Occupational exposure controls**

**Engineering Controls** Provide local exhaust and/or general ventilation system to maintain low exposure levels. Dust collection systems must be used in cutting or shredding or other dust generating processes.

**Personal protective equipment**

**Respiratory protection** • In situation where concentrations are above exposure limits, appropriate dust masks must be worn (FFP1 or FFP2 depending on the actual airborne concentration)

**Eye/face Protection** • Safety glasses with side-shields

**Skin Protection** • protective gloves

• Long sleeved shirt and long pants

**General Hygiene Considerations** • Wash hands before breaks and immediately after handling the product  
• Avoid contact with skin, eyes

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Off-white
<b>Physical State</b>	Solid
<b>Decomposition temperature</b>	the hardened vinyl-ester resin start to decompose at 200°C
<b>Density</b>	2.1 (water = 1)
<b>Water solubility</b>	insoluble

**10. STABILITY AND REACTIVITY**

**Chemical Stability** Stable under normal conditions; keep away from open flames, sparks and all other forms of ignition

**Hazardous decomposition products** See Section 5 of SUIIS for hazardous decomposition products during a fire

**Possibility of Hazardous Reactions** Hazardous reaction does not occur

**11. TOXICOLOGICAL INFORMATION**

Under normal conditions of use, no health effect is anticipated.

Alkali-resistant Continuous Filament Glass Fibers are not carcinogenic. (See section 15).

**12. ECOTOXICOLOGICAL INFORMATION**

No specific data are available for this product. This material is not expected to cause harm to animals, plants or fish.

**13. DISPOSAL CONSIDERATIONS**

Alkali-resistant Continuous Filament Glass Fiber waste is a non hazardous waste. European Waste Code number is 16.01.99 (Wastes not otherwise specified).

**14. TRANSPORT INFORMATION**

**IMDG/IM – RID – ADR – ICAO – IATA – DOT - TDG - MEX** not regulated

**15. REGULATORY INFORMATION**

This product is not hazardous according to European Regulation 1272/2008.

### Information on non carcinogenicity

Continuous filament glass fibers are not classified as carcinogenic by regulation (EC) 1272/2008 since they are not "fibres with random orientation."

The International Agency for Research on Cancer (IARC) in June, 1987, and in October, 2001, categorized continuous filament fiber glass as not classifiable with respect to human carcinogenicity (Group 3). The evidence from human, as well as, animal studies was evaluated by IARC as insufficient to classify continuous filament fiber glass as a confirmed, probable or even possible cancer causing material.

### National chemicals inventories

Cem-FIL MiniBars™ products are articles under the chemicals inventories listed below and consequently are exempt from listing on these inventories:

- The European Inventory of Existing Chemical Substances: EINECS/ELINCS,
- The US EPA Toxic Substance Control Act: TSCA,
- The Canadian Chemical Registration Regulations: NDSL/DSL,
- The Japanese Chemical Substances Control Law under METI: CSCL,
- The Australian Inventory of Chemical Substances: AICS,
- The Philippine Inventory of Chemicals and Chemical Substances: PICCS,
- The Korean Existing Chemicals List: (K)ECL and
- The Inventory of Existing Chemical Substance in China (IECSC)

<b>16. OTHER INFORMATION</b>
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Cem-FIL MiniBars™ products are made of alkali-resistant glass which contain traces of naturally-occurring radioactive materials. The total content of Uranium and Thorium is less than 500 ppm with a total specific activity below 20Bq/g.

#### Disclaimer

**Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use**

**End of Safe Use Instructions Sheet**