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## SECTION 1: Chemical product and company identification

### 1.1 Product identifier

CBOARD Mare Facade and CBOARD Mare Raised Floor mineral aggregate concrete panel.

### 1.2 Relevant identified uses of the substance or mixture

Interior or exterior façade cladding panel or raised floor tile.

### 1.3 Details of the supplier of the safety data sheet

Company name: Nexgen Construction Ltd.  
Street: Unit 1 - Shepcote Office Village  
Place: Sheffield UK  
Telephone: +44 (0) 114 404 0193  
Website: [www.nexgenconstruction.co.uk](http://www.nexgenconstruction.co.uk)  
Email: [info@nexgenconstruction.co.uk](mailto:info@nexgenconstruction.co.uk)

## SECTION 2: Hazards identification

The Product poses no hazards. Sawing of the Product produces dust, which does not pose immediate hazards.

### 2.1 Potential health effects

#### 2.1.1 Eye contact

Air contact with airborne dust might cause irritation or inflammation. Eye exposure may require first aid treatment and medical attention to prevent damage to the eye.

#### 2.1.2 Inhalation

Breathing dust generated from machining this product may cause lung irritation including coughing or choking depending on degree of exposure.

#### 2.1.3 Skin contact

Skin contact with dust may cause irritation.

#### 2.1.4 Ingestion

None known.



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## SECTION 3: Composition/information on ingredients

### 3.1 Mixture

Chemical Name	Percent	CAS No	OSHA PEL
Mineral Aggregates	Proprietary	-	NE
Calcium Salts: Portland Cement (Hydrated)	Proprietary	65997-15-1	10mg/m <sup>3</sup>
3CaO.SiO	-	12168-85-3	-
2CaO.SiO <sub>2</sub>	-	10034-77-2	-
3CaO.AlO	-	12042-78-3	-
4CaO.Al <sub>2</sub> O <sub>3</sub>	-	12068-35-8	-
3CaSO.H <sub>2</sub> O	-	13397-24-5	-
Filers (calcium)	Proprietary	-	10mg/m <sup>3</sup>
Plasticizers	Proprietary	-	-
Water	Proprietary	7732-18-5	NE-

The Product is a concrete product which is produced by using the known concrete ingredients which are densely compressed together with CBOARD Mare manufacturing process. Products are mixtures of naturally occurring minerals which have been mixed with water and cured and set hard, following hydration process. They do not involve asbestos or siliceous aggregates. They are odorless, stable, nonflammable and pose no immediate health hazards.

### 3.2 Hazards disclosure

This product contains known hazardous materials as defined by OSHA 29 CFR 1910.1200.

## SECTION 4: First aid measures

### 4.1 Eye contact

Flush eyes thoroughly with water, including under eye lids, to remove all particles. Seek medical attention for abrasions.

### 4.2 Inhalation

Move person to fresh air. Seek medical attention for discomfort of coughing do not subside.

### 4.3 Skin contact

Wash with mild soap or water. Consult physician if irritation persists.

### 4.4 Ingestion

Seek medical attention if discomfort persists.



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## **SECTION 5: Firefighting measures**

### **5.1 General fire hazard**

None known.

### **5.2 Extinguishing media**

Water or appropriate extinguishing media for surrounding fire.

### **5.3 Unusual fire/explosion hazards**

None known.

### **5.4 Hazardous combustion materials**

None known.

### **5.5 Flashpoint and Method**

Noncombustible.

### **5.6 Firefighting procedures**

Wear appropriate fire personnel protective equipment.

## **SECTION 6: Accidental release measures**

The Product poses no hazards. Sawing of the Product produces dust, which does not pose immediate hazards.

### **6.1 General**

These solid articles do not represent a spill hazard.

### **6.2 Waste disposal**

Follow the applicable regulations for solid waste materials disposal. This material is inert and not classified as hazardous.

## **SECTION 7: Handling and storage**

### **7.1 Handling**

Molded concrete articles are sometimes heavy and can be awkward to lift and install to position and risks such as sprains-strains to the back, arms and legs might occur. Use appropriate handling and installation techniques. When cutting is performed, take precautions to minimize dust generation and accumulation, by wearing appropriate equipment avoid breathing dust.

### **7.2 Storage**

Store similar to precast concrete elements and cement tiles.



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## SECTION 8: Exposure controls/personal protection

### 8.1 Exposure limit values

ACGIH TLV-TWA 10 total dust/m<sup>3</sup>.

OSHA-PEL (8 – hour TWA) 15 mg total dust/m<sup>3</sup>.

OSHA-PEL (8 – hour TWA) 5 mg respirable dust/m<sup>3</sup>.

### 8.2 Engineering controls

Personal Protection equipment (PPE).

#### 8.2.1 General

Select PPE according to operation and environmental working conditions.

#### 8.2.2 Respiratory protection

No respiratory protection is needed under normal conditions. Use respirator when exposed to dust levels above limits.

#### 8.2.3 Eye/face protection

Wear safety glasses (goggles).

#### 8.2.4 Skin protection

In case of prolonged or repeated contact, wear gloves.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state:	Solid articles.
Appearance:	Range of colors and textures.
Odor:	Very low to no odor.
Melting point:	Not applicable.
Freezing point:	Not applicable.
Boiling point:	Not applicable.
Flash point:	Not applicable.
Specific gravity:	2350 kg/m <sup>3</sup> .
Particle size:	Varies.
Solubility in water:	Not applicable.
Evaporation rate:	Not applicable.
Vapor density:	Not applicable.
Vapor pressure:	Not applicable.



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## **SECTION 10: Stability and reactivity**

### **10.1 Stability**

Stable under ordinary conditions of use and storage.

### **10.2 Hazardous decomposition products**

None.

### **10.3 Hazardous polymerization**

Will not occur.

### **10.4 Incompatibilities**

None known.

### **10.5 Conditions to avoid**

None known.

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effects**

Acute effect: None known.

## **SECTION 12: Ecological information**

### **12.1 Environmental toxicity**

This product has no known adverse effect on ecology.

## **SECTION 13: Disposal considerations**

### **13.1 Waste disposal method**

This inert material is not classified as hazardous, waste material and can be returned to earth by burying to the approved landfills in accordance with surrounding regulations.

## **SECTION 14: Transport information**

This product is not classified as a hazardous material in related regulations.



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**SECTION 15: Regulatory information**

**15.1 Federal, state & international regulations**

Ingredient	SARA 302			SARA 313	CERCLA	RCRA	TSCA
	RQ	TPQ	List	Chemical Catalog	261.33	8(d)	-
Terrazzo Tile, Rock Aggregate	No	No	No	No	No	No	No

**SECTION 16: Other information**

**16.1 Information for handling and identification of chemical hazards**

**16.1.1 HMIS Ratings**

Health:	0
Flammability:	0
Physical Hazard:	0
Personal Protection:	E

**16.2 Further information**

This information is furnished in good faith as accurate to the best knowledge of Nexgen Construction Ltd. No warranty, either expressed or implied whether of merchantability of fitness of any nature on otherwise with respect to the product or to the data here in is made hereunder. The data in this MSDS relates to the herein designed material only and does not relate also to use in combination with any other material or in any process.