



## SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) 453/2010

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

**Product Name** Glass Grain GEC850 and GEM500  
**Product Container** Variable.

#### 1.2. Relevant identified uses of the substance of mixture and uses advised against

**Identified Uses** Used in various industrial applications, including road safety markings, anti-slip broadcast, blasting media, and functional additives.  
**Uses advised against** No specific uses advised against are identified.

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

**Supplier** Meon Ltd.  
 Railside  
 Northharbour Spur  
 Portsmouth  
 PO6 3TU  
 +44 (0) 23 9220 0606  
 mail@meonuk.com

#### 1.4. Emergency Telephone Number

**Emergency telephone** +44 (0) 808 118 1922

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**EC Classification** Not classified as dangerous for supply/use.

#### 2.2. Label Elements

Not applicable.

#### 2.3. Other hazards

Caution - spillages may be slippery.

### SECTION 3: Composition/information on ingredients

#### Regulation (EC) No. 1272/2008 (CLP)

##### 3.1. Substances

Ingredient(s)	%W/W	CAS No.	EINECS No.	EC Classification
Glass Oxide; Soda lime glass type A	>99	65997-17-3	2660460	Not applicable.

## 570802 - Glass Grain

### SECTION 4: First aid measures

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

#### **4.1. Description of first aid measures**

<b>Eye contact</b>	Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. If symptoms persist, obtain medical attention.
<b>Skin contact</b>	Wash affected skin with plenty of water. If symptoms occur obtain medical attention.
<b>Ingestion</b>	Not applicable.
<b>Inhalation</b>	In case of accident by inhalation: remove casualty to fresh air and keep at rest. If symptoms develop, obtain medical attention.

#### **4.2. Most important symptoms and effects, both acute and delayed**

Dust may cause irritation Spilled material can make floors slippery. Dust may cause discomfort and mild irritation.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

Immediately flush skin with large amounts of water.

### SECTION 5: Firefighting measures

#### **5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	As appropriate for surrounding fire.
<b>Unsuitable extinguishing Media</b>	None known.

#### **5.2. Special hazards arising from the substance or mixture**

Non-combustible.

#### **5.3. Advice for firefighters**

Caution - spillages may be slippery.

### SECTION 6: Accidental release measures

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Wear suitable protective clothing. Wear eye/face protection.

#### **6.2. Environmental precautions**

Prevent entry into drains.

#### **6.3. Methods and material for containment and cleaning up**

Caution - spillages may be slippery. Avoid generation of dust.  
Sweep or preferably vacuum up and collect in suitable containers for recovery or disposal.

#### **6.4. Reference to other sections**

No applicable.

### SECTION 7: Handling and storage

#### **7.1. Precautions on safe handling**

Avoid contact with eyes, skin and clothing. Avoid generation of dust. Wash thoroughly after handling.  
Wear protective equipment to comply with good occupational hygiene practice.

#### **7.2. Conditions for safe storage, including any incompatibilities**

Keep container tightly closed and dry.

#### **7.3. Specific and uses**

Not applicable.

## 570802 - Glass Grain

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Substance	Occupational Exposure
Glass Oxide; Soda lime glass, type A	No Occupational Exposure Limit assigned. UK EH40: Dust Total inhalable: WEL 10mg/m <sup>3</sup> 8h TWA. Respirable: WEL 4mg/m <sup>3</sup> 8h TWA. ACGIH: Particulates not otherwise classified Inhalable TLV 10mg/m <sup>3</sup> 8h TWA. Respirable: TLV 3mg/m <sup>3</sup> 8h TWA. OSHA: Inert or Nuisance Dust Total dust: PEL 15mg/m <sup>3</sup> 8h TWA. Respirable fraction: PEL 5mg/m <sup>3</sup> 8h TWA.

#### 8.2. Exposure controls

##### 8.2.1 Appropriate engineering controls

Engineering methods to prevent or control exposure are preferred.

Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions.

##### 8.2.2 Personal Protection

###### Respirators

Wear suitable respiratory protective equipment if working in confined spaces with inadequate ventilation or where there is any risk of the exposure limits being exceeded. Advice on respiratory protective equipment is given in the HSE (Health and Safety Executive) publication HS(G)53.

###### Skin Contact / Eye Protection

Wear suitable protective clothing and gloves. For example cotton or rubber. Chemical goggles.

Wear protective equipment to comply with good occupational hygiene practice. Do not eat, drink or smoke at the work place.

### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

Form	Powder
Colour	White
Odour	Odourless
pH	Not applicable
Flash Point (°C) [Closed cup]	Not applicable
Flammable Limits (Lower) (%v/v)	Not applicable
Water solubility	Insoluble
Melting Point (°C)	Approx 730 C
Boiling Point (°C)	Not applicable.
Flash Point (°C) [Closed cup]	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-combustible.
Vapour pressure (Pascal)	
Vapour Density (Air=1)	Not applicable.
Solubility (Water)	Insoluble
Partition Coefficient	Not applicable.
Auto Ignition Point (°C)	Not applicable.
Decomposition Temperature (°C)	Not applicable.
Viscosity (mPa. s)	Not applicable.
Explosive properties	Not applicable.
Oxidising Properties	Not applicable.

#### 9.2. Other information

No data available.

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

**Reactive Hazard** Not Stable.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Not applicable.

**10.4. Conditions to avoid**

Not applicable.

**10.5. Incompatible materials**

Acids.

**10.6. Hazardous decomposition products**

None known

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

<b>Acute toxicity</b>	When tested for primary irritation potential, a similar material was practically non-irritating to the eyes and slightly irritating to the skin. The acute oral toxicity of this product has not been tested. A similar spherical glass powder was nontoxic to rats at 5,000 mg/kg. All animals survived, gained weight and appeared active and healthy. There were no signs of gross toxicity, adverse pharmacologic effects or abnormal behavior.
<b>Inhalation</b>	Dust may cause irritation.
<b>Skin Contact</b>	Dust may cause irritation.
<b>Eye Contact</b>	Dust may cause irritation.
<b>Skin corrosion/irritation</b>	May cause irritation.
<b>Serious eye damage/irritation</b>	May cause irritation.
<b>Sensitisation</b>	Not sensitising.
<b>Mutagenicity</b>	Not classified
<b>Carcinogenicity</b>	IARC, NTP, OSHA, ACGIH do not list this product or any components thereof as known or suspected carcinogen.
<b>Reproductive toxicity</b>	No evidence of reproductive toxicity or developmental toxicity.
<b>STOT - single exposure</b>	Not classified
<b>STOT - repeated exposure</b>	Not classified
<b>Aspiration hazard</b>	Not applicable.
<b>Other information</b>	None.

**SECTION 12: Ecological information**

**12.1. Toxicity**

No environmental hazards have been reported or known.

**12.2. Persistence and degradability**

This product is virtually inert and has no known adverse effect on the environment.

**12.3. Bioaccumulative potential**

Not classified as PBT or vPvB.

**12.4. Mobility in soil**

Not data.

## 570802 - Glass Grain

### **12.5. Results of PBT and vPvB assessment**

Not classified as PBT or vPvB.

### **12.6. Other adverse effects**

Not applicable.

## **SECTION 13: Disposal considerations**

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

### **13.1. Waste treatment methods**

Product as supplied: The waste is considered to be non-hazardous. Disposal should be in accordance with local, state or national legislation.

## **SECTION 14: Transport information**

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for Air Transport (ADR 2013 - IMDG 2012 - ICAO/IATA 2014).

### **14.1. UN number**

Not applicable.

### **14.2. UN proper shipping name**

Not classified as dangerous for transport.

### **14.3. Transport hazard class(es)**

Not applicable.

### **14.4. Packing group**

Not applicable.

### **14.5. Environmental hazards**

Not classified as a Marine Pollutant.

### **14.6. Special precautions for user**

Unsuitable containers: Not applicable.

### **14.7. Transport in bulk according to Annex II of MARPOL3/78 and the IBC Code**

Not applicable.

## **SECTION 15: Regulatory information**

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

TSCA Inventory Status: Reported/Included.

AICS Inventory Status: Reported/Included.

DSL/NDSL Inventory Status: Reported/Included.

There is no CERCLA Reportable Quantity for this material.

Contains no SARA Title III, Section 313 notification chemical present at or above the de minimus concentration.

German Water Hazard Classification VwVwS: WGK class 1 (low hazard to water).

HMIS: 0,0,0

### **15.2. Chemical safety assessment**

No chemical safety assessment has been carried out by the supplier.

## **SECTION 16: Other information**

EC Classification No. 67/548/EEC Not classified as dangerous for supply/use.

GHS Classification Not classified as dangerous for supply/use.

#### *Disclaimer*

*This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.*