



# SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

Product Name Q-Cel® Inorganic microspheres - ALL GRADES

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

Identified use(s) Specialty engineering additive in plastics. E.g. it is added to modify the density, impact resistance, wear resistance, provide thermal or acoustic insulation in plastics and thermoset systems.

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

Company Identification Potters Industries LLC  
P. O. Box 841  
Valley Forge, PA 19482 USA  
Telephone +1 610-651-4700  
E-Mail (competent person) sds.uk@pqcorp.com

### 1.4 Emergency telephone number

Emergency Phone No. Potters Industries LLC +1 610-651-4200  
ChemTrec (800) 424-9300

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

GHS Classification Not classified as dangerous for supply/use.

### Hazards summary

Dust may cause irritation. Spilled material can make floors slippery.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	%W/W	CAS No.	EINECS No. / REACH Registration	EC Classification and Risk Phrases
Amorphous Sodium Borosilicate	>95	50815-87-7	Exempt	Not applicable.
Synthetic amorphous silica	<5	7631-86-9	2315454	Not applicable.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

Eye Contact Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. If symptoms persist, obtain medical attention.

Skin Contact Wash affected skin with plenty of water. If symptoms occur obtain medical attention.

Inhalation In case of accident by inhalation: remove casualty to fresh air and keep at rest. If symptoms develop, obtain medical attention.

Ingestion Get medical advice/attention.

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

Dust may cause irritation. Spilled material can make floors slippery.



**4.3 Indication of any immediate medical attention and special treatment needed** Flush the contaminated area of body with large amounts of water.

**SECTION 5: FIRE-FIGHTING MEASURES**

**5.1 Extinguishing media**  
Suitable Extinguishing Media As appropriate for surrounding fire.  
Unsuitable extinguishing Media None known.  
**5.2 Special hazards arising from the substance or mixture** Non-combustible.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures** Wear suitable protective clothing. Wear eye/face protection. An approved dust mask should be worn if dust is generated during handling. See Also Section 8.  
**6.2 Environmental precautions** Floats on water.  
**6.3 Methods and materials 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** Not applicable.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for 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. Do not eat, drink or smoke at the work place.  
**7.2 Conditions for safe storage, including any incompatibilities** Keep container tightly closed and dry. Store in original or clean plastic containers. In case of high humidity or storage for extended periods of time, use plastic bags to enclose product containers to avoid caking.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

SUBSTANCE.	Occupational Exposure Limits
Synthetic amorphous	Particulates not otherwise classified, respirable: ACGIH: TLV 3 mg/m <sup>3</sup> 8h

**8.2 Exposure controls**  
**8.2.1 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**  
Respiratory protection Avoid inhalation of dusts. 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.  
Eye/face protection Chemical goggles.  
Skin protection Wear suitable protective clothing and gloves. For example PVC or rubber gloves.  
**8.2.3 Environmental Exposure Controls** Local exhaust recommended.



## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

Appearance	Powder. White.
Odour	Odourless.
pH (Value)	Not applicable.
Freezing Point (°C)	Not applicable.
Melting Point (°C)	Not applicable.
Boiling Point (°C)	Not applicable.
Flash Point (°C) [Closed cup]	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not applicable.
Explosive Limit Ranges	Not applicable.
Vapour Pressure (mm Hg)	Not applicable.
Vapour Density (Air=1)	Not applicable.
Density (g/ml)	Not applicable.
Solubility (Water)	Soluble.
Solubility (Other)	Not available.
Partition Coefficient	Not available.
Auto Ignition Point (°C)	Not applicable.
Decomposition Temperature (°C)	Not applicable.
Viscosity (mPa. s)	Not applicable.
Explosive properties	Not applicable.
Oxidising Properties	Not applicable.
<b>9.2 Other information</b>	Not applicable.

## **SECTION 10: STABILITY AND REACTIVITY**

<b>10.1 Reactivity</b>	Avoid contact with strong acids
<b>10.2 Chemical stability</b>	Stable.
<b>10.3 Possibility of hazardous reactions</b>	None known.
<b>10.4 Conditions to avoid</b>	None known.
<b>10.5 Incompatible materials</b>	Strong acids
<b>10.6 Hazardous decomposition product(s)</b>	None known.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

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

#### **Acute toxicity**

Ingestion	Avoid ingestion. May be harmful if swallowed.
Inhalation	When a similar material was tested for respiratory toxicity in a 6-month intratracheal study in rats, no mortalities, untoward reaction, or observation correlated with exposure to the material. Minimal multifocal inflammation of the lung occurred in 90% of males and 80% of females. No appreciable increase in fibrous tissue was present in these lesions.
Skin Contact	When tested for primary irritation potential, this material caused mild eye irritation and slight skin irritation.
Eye Contact	When tested for primary irritation potential, this material caused mild eye irritation and slight skin irritation.
<b>Sensitisation</b>	It is not a skin sensitiser.
<b>Carcinogenicity</b>	IARC, NTP, OSHA, ACGIH do not list this product or any components thereof as known or suspected carcinogen.

## **SECTION 12: ECOLOGICAL INFORMATION**



<b>12.1 Toxicity</b>	This product has not been tested for ecotoxicity potential. The following data is reported for sodium silicates: a 96 hour median tolerance for fish ( <i>Gambusia affinis</i> ) of 2320 ppm; a 96 hour median tolerance for water fleas ( <i>Daphnia magna</i> ) of 247 ppm.
<b>12.2 Persistence and degradability</b>	No data available on mixture.
<b>12.3 Bioaccumulative potential</b>	No data available on mixture.
<b>12.4 Mobility in soil</b>	No data available on mixture.
<b>12.5 Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.

### **SECTION 13: DISPOSAL CONSIDERATIONS**

<b>13.1 Waste treatment methods</b>	The waste is considered to be non hazardous. Disposal should be in accordance with local, state or national legislation.
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### **SECTION 14: TRANSPORT INFORMATION**

<b>14.2 Proper Shipping Name</b>	NOT CLASSED AS DANGEROUS FOR TRANSPORT.
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### **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.

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

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### **SECTION 16: OTHER INFORMATION**

This SDS was last reviewed: 10/2011

The following sections contain revisions or new statements: 3

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