

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. Caution - spillages may be 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	231-545-4	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. Caution - spillages may be 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. Use vacuum equipment for collecting spilt materials, where practicable. Transfer to a container for disposal or recovery.
6.4 Reference to other sections Not applicable.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling Avoid contact with skin, eyes or 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. 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	ACGIH: Particulates not otherwise classified

8.2 Exposure controls
8.2.1 Appropriate engineering controls Use only with adequate ventilation to keep exposures (airborne levels of dust, fume, vapour etc) below recommended exposure limits.
8.2.2 Personal Protection
Respiratory protection Avoid inhalation of dusts. Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely.
Eye/face protection Chemical goggles (EN 166).
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.
9.2 Other information	Not applicable.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Avoid contact with strong acids
10.2 Chemical stability	Stable.
10.3 Possibility of hazardous reactions	None known.
10.4 Conditions to avoid	None known.
10.5 Incompatible materials	Strong acids
10.6 Hazardous decomposition product(s)	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.
Sensitisation	It is not a skin sensitiser.
Carcinogenicity	IARC, NTP, OSHA, ACGIH do not list this product or any components thereof as known or suspected carcinogen.

SECTION 12: ECOLOGICAL INFORMATION



Q-Cel® Hollow microspheres

12.1 Toxicity	No data available on mixture. 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.
12.2 Persistence and degradability	No data available on mixture.
12.3 Bioaccumulative potential	No data available on mixture.
12.4 Mobility in soil	No data available on mixture.
12.5 Results of PBT and vPvB assessment	Not classified as PBT or vPvB.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	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

14.2 Proper Shipping Name	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

Reviewed and reconfirmed, no significant changes.

This SDS was last reviewed: 10/2014

The following sections contain revisions or new statements:

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