

Document: QCEL300.MSD.DOC

**THE PQ CORPORATION**  
**MATERIAL SAFETY DATA SHEET**

HMIS Rating: 1,0,0

**Q-CEL® 300 Hollow Microspheres**

<b>SECTION 1</b>	<b>IDENTIFICATION OF PRODUCT</b>
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MANUFACTURER..... PQ Corporation  
 ADDRESS..... Southpoint, P. O. Box 840, Valley Forge, PA 19482-0840  
 EMERGENCY TELEPHONE NUMBER .. 610/651-4200  
 SALES NAME..... Q-CEL® 300 Hollow Microspheres  
 CHEMICAL NAME..... Silicic acid, sodium salt, boric acid, sodium salt, amorphous silicon dioxide  
 TSCA CAS REGISTRY Nos. .... This product is a mixture under TSCA. CAS Nos. for identification purposes: 1344-09-8; 7775-19-1; 7631-86-9  
 DOT HAZARD CLASS..... N.A.  
 DOT SHIPPING NAME..... N.A.

<b>SECTION 2</b>	<b>CHEMICAL AND PHYSICAL DATA</b>
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APPEARANCE & ODOR..... Dry white powder. Odorless.  
 SPECIFIC GRAVITY (liquids only)..... N.A.  
 BULK DENSITY..... 0.12 g/cc  
 SOLUBILITY IN WATER..... Negligible.  
 pH..... N.A.

<b>SECTION 3</b>	<b>FIRE, EXPLOSION AND REACTIVITY HAZARD DATA</b>
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FLASH POINT (°F)..... Noncombustible  
 SPECIAL FIRE FIGHTING PROCEDURES..... N.A.  
 STABILITY..... Stable.  
 CONDITIONS TO AVOID..... None known.  
 INCOMPATIBILITY (Materials to Avoid)..... None known.  
 HAZARDOUS DECOMPOSITION PRODUCTS ... None.

<b>SECTION 4</b>	<b>SPILLS AND DISPOSAL</b>
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ENVIRONMENTAL HAZARD..... Borate content may cause damage to plants, particularly citrus crops. Not a listed toxic chemical under SARA Title III, §302, §304, or §313.  
 SPILLAGE..... Sweep, scoop, or vacuum discharged material.  
 WASTE DISPOSAL METHOD..... Landfill according to local, state, and federal regulations. Disposed material is not a RCRA hazardous waste.

N.A. = Not Applicable  
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<b>SECTION 5</b>	<b>HEALTH HAZARD DATA</b>
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EYE CONTACT ..... Causes irritation.  
 SKIN CONTACT ..... May cause dehydration and irritation.  
 INHALATION ..... Causes irritation to respiratory tract.  
 INGESTION ..... No known hazard.  
 CHRONIC HAZARDS ..... No known chronic hazards. Not listed by OSHA, NTP or IARC as a carcinogen.  
 SIGNS AND SYMPTOMS OF EXPOSURE ..... Sneezing and dryness of mucous membranes (inhalation). Redness and tearing (eye exposure). Dryness, itching or burning (skin exposure).  
 MEDICAL CONDITIONS  
 AGGRAVATED BY EXPOSURE ..... Asthma and lung diseases.  
 FIRST AID PROCEDURES ..... In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists. If inhaled, remove to fresh air.

<b>SECTION 6</b>	<b>SPECIAL PROTECTION INFORMATION</b>
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RESPIRATORY PROTECTION ..... Use NIOSH-certified dust respirator where dust occurs. Observe OSHA regulations for respirator use (29 CFR 1910.134).  
 GLOVES ..... Cotton gloves are usually sufficient to protect hands from irritation arising from handling this product. If irritation occurs, use rubber gloves.  
 EYE PROTECTION ..... Use chemical goggles.  
 OTHER PROTECTIVE EQUIPMENT ..... Safety shower and eyewash fountain should be within direct access.  
 PERSONAL HYGIENE ..... Avoid breathing dust. Wash thoroughly after handling.  
 ENGINEERING CONTROL ..... Use with adequate ventilation.

<b>SECTION 7</b>	<b>SUBSTANCES FOR WHICH STANDARDS HAVE BEEN SET</b>
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COMPONENT ..... Boron oxide (B<sub>2</sub>O<sub>3</sub>)  
 PERCENT ..... 15%  
 OSHA PEL ..... 15 mg/m<sup>3</sup>  
 ACGIH TLV ..... 10 mg/m<sup>3</sup>  
 Note This product is a sodium borosilicate which contains no free boron oxide per se. Toxicological test data and industrial experience are consistent with the conclusion that it is appropriate to treat this material as an inert or nuisance dust.  
 EXPOSURE ANALYSIS METHODS ..... NIOSH Manual of Analytical Methods, 4th ed., Method 7501

<b>SECTION 8</b>	<b>SOURCE OF INFORMATION</b>
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John G. Blumberg

Date: 10/18/97