

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name Britesorb A100
Beer Stabilizer

Use Beverage processing.

Manufacturer/Supplier: PQ Corporation
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USA

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2. HAZARDS IDENTIFICATION

EC Classification Not classified as dangerous for supply/use.

Exposure to any kind of dust is potentially harmful.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	%W/W	CAS No.	EINECS No.	EC Classification
Synthetic amorphous silica	~33%	112926-00-8	2315454	Not applicable
Water	~67%	7732-18-5	2317912	Not applicable

4. FIRST AID MEASURES

Eye Contact If substance has got into the eyes, immediately wash out with plenty of water. If eye irritation persists, get medical advice/attention.

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

Ingestion Do not induce vomiting. Wash out mouth with water. If large amount swallowed or symptoms develop obtain medical attention.

Inhalation Remove patient from exposure, keep warm and at rest. If symptoms develop, obtain medical attention.

5. FIRE-FIGHTING MEASURES

General: Not applicable. Inorganic powder or granules. Non-combustible.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection	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.
Environmental Exposure Controls	Sinks in water
General:	Contain spillages. Dampening with water can reduce dust. Sweep or preferably vacuum up and collect in suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Handling	Avoid generation of dust. See Also Section 8. A considerable static electrical charge can be built up during mechanical handling which may become a hazard in atmospheres containing flammable vapours.
Storage	Keep container tightly closed and dry. This product can absorb odors and vapors from the air. In case of storage for extended periods of time, use plastic bags to enclose product containers. Separate from nonfood chemicals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Synthetic amorphous silica	Silica amorphous, total inhalable dust: UK EH40: WEL 6 mg/m ³ 8h TWA. Silica amorphous, respirable dust: UK EH40: WEL 2.4 mg/m ³ 8h TWA. Silica, Amorphous - Precipitated silica and silica gel: ACGIH: TLV withdrawn 2006
General:	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.
Respirators	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.
Skin Contact	Wear suitable protective clothing and gloves. Plastic or rubber gloves. For example EN374-3. Wear suitable overalls.
Eye Protection	Safety spectacles. Goggles.
Other	Wear protective equipment to comply with good occupational hygiene practice. Do not eat, drink or smoke at the work place.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Damp powder.
Colour	White.
Odour	Odourless.
pH (Value)	Water dispersions are acidic pH 2-3.5

Melting Point (°C)	> 1000
Flash Point (°C) [Closed cup]	Not applicable.
Flammable Limits (Lower) (%v/v)	Not applicable.
Auto Ignition Temperature (°C)	
Solubility (Water)	Very slightly soluble.

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions. This product is hygroscopic.
Hazardous Reactions	None known.
Hazardous Decomposition Product(s)	None known.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	The lethal dose for humans for synthetic amorphous silica is estimated at over 15000 mg/kg. Synthetic amorphous silica is a permitted food additive in the UK, US and many other countries.
Inhalation	Synthetic amorphous silica has little adverse effect on lungs and does not produce significant disease or toxic effect when exposure is kept below the permitted limits. However, existing medical conditions (eg. asthma, bronchitis) may be aggravated by exposure to dust. Effects of dust may be greater, and occur at lower levels of exposure in smokers compared to non-smokers.
Eye Contact	Dust may cause discomfort and mild irritation.
Skin Contact	Dust may have a drying effect on the skin.
Carcinogenicity Information	IARC assessment: Amorphous silica is not classifiable as to its carcinogenicity to humans (Group 3).

12. ECOLOGICAL INFORMATION

Ecotoxicity	Synthetic amorphous silica is virtually inert and has no known adverse effect on the environment.
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13. DISPOSAL CONSIDERATIONS

Recommended:	Not a hazardous waste under RCRA Sec.3001. Disposal should be in accordance with local, state or national legislation.
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14. TRANSPORT INFORMATION

Not classified as dangerous for transport.

Packaging	No special packaging requirements.
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15. REGULATORY INFORMATION

EC Classification	Not classified as dangerous for supply/use.
Safety Phrases	Handle in accordance with good industrial hygiene and safety practices. Avoid inhalation of dusts.

TSCA Inventory Status: Reported/Included. CAS No. 7631-86-9

AICS Inventory Status: Reported/Included.

DSL/NDSL Inventory Status: Reported/Included.

FDA: Silicon dioxide 21CFR 172.480

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

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16. OTHER INFORMATION

The following sections contain revisions or new statements: All sections.

MSDS first issued 4/4/05

MSDS data revised 11/2010

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