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**SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION**

(N/A)

Product Name:        **Lucilite PC5J Synthetic Amorphous Silica Hydrated**  
 Manufacturer Name:   <http://www.continentalcommercialproducts.com/contact.htm>  
 Address:  
                              305 Rock Industrial Park Drive  
                              Bridgeton, MO 63044  
 General Use:         Beverage Processing.  
 Business Phone:      Chemtrec # 1-800-424-9300  
 Business Fax:         +1 815 727 9857  
 Emergency Phone:    Chemtrec # 1-800-424-9300  
 Customer Service     Chemtrec # 1-800-424-9300  
 Phone:

**HMIS**

HEALTH	1
FIRE	0
REACTIVITY	0
PPE	

Revision Date:        07/2008  
                              Supersedes: 11/02/1999  
                              Revision: v3  
 Distributor Address: 305 Rock Industrial Park Drive  
                              Bridgeton, MO 63044  
 Distributor            Chemtrec # 1-800-424-9300  
 Telephone:

Ref: 1088

**Contico Product Code(s):**  
 BR20, BR20SONIC, BR20CSM, FB560

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**SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS**

: (N/A)

Ingredient Name	CAS#	Ingredient Percent
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Synthetic Amorphous Silica*	112926-00-8	35 - 50% by Weight
EINECS:	231-545-4	
EC Index Number:	1	
EC Classification:	Occupational Exposure Limits	

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Water	7732-18-5	50 - 65% by Weight
EINECS:	231-791-2	
EC Index Number:	1	

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Comments: \* NOTE: 1990 CAS (Chemical Abstract Service) added additional CAS Numbers to differentiate the many amorphous silicas covered by CAS 7631-86-9. CAS 112926-00-8 identifies amorphous silica gel or precipitate containing 0% crystalline silica.

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### SECTION 3 : HAZARDS IDENTIFICATION

: (N/A)

Emergency Overview: Warning - Can cause irritation to eyes, dry skin or discomfort if inhaled.

Ensure adequate ventilation. Avoid static discharge.

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### SECTION 4 : FIRST AID MEASURES

: (N/A)

Eye Contact: If substance has got into the eyes, immediately wash out with plenty of water. Obtain immediate medical attention.

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

Inhalation: Remove patient from exposure, keep warm and at rest. 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.

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### SECTION 5 : FIRE FIGHTING MEASURES

: (N/A)

Flash Point: Deg C: Not Applicable

Flash Point Method: [Closed Cup].  
 Lower Flammable or Explosive (% v/v): Not Applicable  
 Limit:  
 General: Not applicable. Inorganic powder or granules. Non-combustible.

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## SECTION 6 : ACCIDENTAL RELEASE MEASURES

: (N/A)

Personal Precautions: 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.

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

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## SECTION 7 : HANDLING and STORAGE

: (N/A)

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.

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## SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

: (N/A)

Skin Protection Description: Wear suitable protective clothing and gloves. Plastic or rubber gloves. Wear suitable overalls.

Eye/Face Protection: Safety spectacles. Goggles.

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.

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

Exposure Limits: Chemical Name: Synthetic Amorphous Silica  
 Silica, Amorphous - Precipitated Silica and Silica Gel: ACGIH: TLV withdrawn 2006  
 Silica Amorphous - Precipitated Silica: OSHA: PEL 6 mg/m<sup>3</sup> 8h TWA

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.

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## SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

: (N/A)

Physical State/Appearance:	Form: Powder
Color:	White
Odor:	Odourless
pH:	(Value): 3 - 10 at 5% w/w in water.
Flash Point:	Deg C: Not Applicable
Flash Point Method:	[Closed Cup]
Lower Explosive Limit:	(% v/v): Not Applicable
Melting Point:	> 1000 deg C
Solubility:	(Water): Insoluble.

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## SECTION 10 : STABILITY and REACTIVITY

: (N/A)

Chemical Stability:	Stable.
Reactivity:	Hazardous Reactions: None Known.
Hazardous Decomposition Products:	None Known.

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## SECTION 11 : TOXICOLOGICAL INFORMATION

: (N/A)

**Applies to All Ingredients :**

Acute Health Effects:	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.
Eye Effect:	Dust may cause discomfort and mild irritation.
Skin Effects:	Dust may have a drying effect on the skin.
Inhalation Effects:	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.
Carcinogenicity:	IARC assessment: Amorphous silica is not classifiable as to its carcinogenicity to humans (Group 3).

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## SECTION 12 : ECOLOGICAL INFORMATION

: (N/A)

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

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: (N/A)

**Waste Disposal:** Disposal should be in accordance with local, state or national legislation. This product normally causes no problems in sewage treatment works, where it settles with the sewage sludge. May be disposed of by landfill in accordance with local regulations.

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**SECTION 14 : TRANSPORT INFORMATION**

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: (N/A)

**DOT Shipping Information:** No special packaging requirements. Not classified as hazardous under DOT or US Transport Recommendations.

**Packaging:** No special packaging requirements.

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**SECTION 15 : REGULATORY INFORMATION**

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: (N/A)

**Applies to all ingredients:**

**TSCA 8(b): Inventory Status:** TSCA Inventory Status: Reported/Included. CAS No. 7631-86-9

**Section 312 Hazard Category:** SARA Title III Hazard Categories:

<b>Acute:</b>	No
<b>Chronic:</b>	No
<b>Fire:</b>	No
<b>Reactive:</b>	No
<b>Pressure:</b>	No
<b>Canada DSL:</b>	Reported/Included.
<b>Canada NDSL:</b>	Reported/Included.
<b>Australia Chemical Inventory Status:</b>	AICS Inventory Status: Reported/Included.
<b>Safety Phrase:</b>	Handle in accordance with good industrial hygiene and safety practices. Avoid inhalation of dusts.
<b>FDA:</b>	Silicon dioxide 21CFR 172.480
	HMIS (Hazardous Material Information System):
	Health Hazard: 1
	Fire Hazard: 0
	Reactivity: 0

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**SECTION 16 : ADDITIONAL INFORMATION**

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: (N/A)

**HMIS:**

Health Hazard:	1
Fire Hazard:	0
Reactivity:	0
MSDS Revision Date:	07/2008
	Supersedes: 11/02/1999
	Revision: v3

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

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