

Product Group: Silica/Gel

MSDS Number: VS60313-03  
Issue Date: June 4, 1997  
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ERCO No.: R6-1124

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**CHEMICAL PRODUCT AND COMPANY IDENTIFICATION - SECTION 1**

**Company Identification:** Becton Dickinson VACUTAINER® Systems  
A Division of Becton Dickinson and Company  
1 Becton Drive  
Franklin Lakes, NJ 07417-1885

**FOR CHEMICAL EMERGENCY, SPILL LEAK, FIRE, EXPOSURE, OR ACCIDENT:**  
In the continental U.S., call Chemtrec: 1-800-424-9300  
For additional non-emergency information, call: 1-800-631-0174

**Product Name:** VACUTAINER® Brand SST® Tubes containing Silica and Gel

**Reorder Numbers:** 006515, 006592, 196510, 196511, 360008, 360009, 360027, 360028, 363012, 365960, 365972, 366371, 366509, 366510, 366511, 366512, 366513, 366514, 366517, 366590, 366591, 366596, 366710, 366712, 366713, 366796, 367739, 367974, 367975, 367976, 367977, 367979, 367980, 367983, 367984, 367985, 367986, 367987, 367988, 367989, 367991, 367997, 368086, 368087, 368158, 368159, 368162, 369782, 369783, 369784, 369789, 886510, 886511, 886514, 886590, 886591

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**Synonym(s):** N/A      **Chemical Formula:** N/A      **Chemical Family:** N/A

**COMPOSITION/ INFORMATION ON INGREDIENTS - SECTION 2**

| Chemical Name             | CAS Number | Exposure Limits       | Weights (mg)  |
|---------------------------|------------|-----------------------|---------------|
| Silica                    | 60676-86-0 | 0.1 mg/m <sup>3</sup> | .20 - 2.56 mg |
| Gel (Proprietary Mixture) | N/A        | None Established      | .90 - 3.20 mg |

**HEALTH EFFECTS SUMMARY - SECTION 3**

The following information summarizes human experience and results of scientific investigations reviewed by health professionals for hazard evaluation of and development of Precautionary Measures and Occupational Control Procedures recommended in this document.

**Primary Route of Entry:** Eye contact and inhalation.

**Medical Conditions Which Might be Aggravated:** None identified.

**Acute Exposure Effects:**

1. **Skin:** None identified.
2. **Eyes:** May cause slight irritation.
3. **Inhalation:** May cause irritation of the respiratory tract.
4. **Ingestion:** None identified.

**Repeated Exposure Effects:**

1. **Skin:** None identified.
2. **Inhalation:** May cause severe scarring of the lung, (silicosis). Silicosis may result in heart failure.
3. **Ingestion:** None identified.

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**EMERGENCY AND FIRST AID PROCEDURES - SECTION 4**

**Skin:** Wash with water for at least 10 minutes.  
**Eyes:** Immediately flush with water for at least 10 minutes.  
**Inhalation:** Remove victim to fresh air. Seek medical attention.  
**Ingestion:** No health effects are expected.

**FIRE PROTECTION INFORMATION - SECTION 5**

**Flash Point:** N/A                      **Method:** N/A  
**Autoignition Temperature:** N/A                      **Method:** N/A  
**Combustibility:** N/A                      **Method:** N/A  
**Extinguishing Media:** Use media suitable for surrounding fire.  
**Special Fire Fighting Procedures:** Fire fighters should wear appropriate protective equipment including OSHA approved respirator.

**ACCIDENTAL RELEASE MEASURES - SECTION 6**

Avoid overexposure. Wear protective equipment, especially OSHA approved respirator. Do not dry-sweep. Whenever possible wet down to minimize airborne dust. Place in an appropriate disposal container.

**HANDLING AND STORAGE PROCEDURES - SECTION 7**

Use suitable containers. Keep tightly closed when not in use. Store in a well ventilated area. Protect from damage.

**OCCUPATIONAL CONTROL PROCEDURES - SECTION 8**

**Eye Protection:** Use safety goggles.                      **Skin Protection:** Use proper gloves.

**Respiratory Protection:** Use NIOSH approved respirator operated in positive pressure.

**Ventilation:** Use local or general exhaust ventilation.

**Airborne Exposure Limits:** 0.1 mg/m<sup>3</sup> (silica)

**Other Protective Equipment:** Eye bath, safety shower, aprons.

**PHYSICAL PROPERTIES - SECTION 9**

**Appearance:** Tan gel                      **Odor:** Odorless  
**Vapor Pressure (@20°C mm Hg):** N/A.                      **Viscosity @ 40°C (centistokes):** N/A.  
**Specific Gravity @ 25/25°C:** N/A.                      **Solubility in Water (wt. %):** N/A  
**Solubility in Other Solvents:** N/A

*Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.*

**REACTIVITY DATA - SECTION 10**

**Reactivity:** Stable

**Incompatibility:** Avoid strong oxidizing agents.

**Hazardous Decomposition Products:** None identified

**Hazardous Polymerization:** Will not occur.

**TOXICOLOGY INFORMATION - SECTION 11**

**Acute Eye Effects:** None identified.

**Acute Skin Effects:** None identified.

**Inhalation Toxicity:** May cause silicosis.

**Ingestion Toxicity:** None identified.

**Exposure Limits:** Not established.

**Teratogenicity:** Not established.

**Reproductive Toxicity:** Not established.

**Mutagenicity:** Not established.

**Synergistic Products:** Not established.

**Sensitization to Product:** Not established.

**Carcinogenicity:** Contains more than 0.1% by weight of a material listed as a potential carcinogen by:

**NTP** No

**IARC** Group 2A

**OSHA** No

**Other Chronic Effects:** None identified.

**Signs and Symptoms of Overexposure:** None identified.

**Medical Conditions Generally Aggravated by Overexposure:** None identified.

**ECOLOGICAL INFORMATION - SECTION 12**

No data is available on the adverse effects of this material on the environment. Neither COD nor BOD data are available.

**DISPOSAL CONSIDERATIONS - SECTION 13**

Disposal should be done in accordance with local, state and federal regulations.

**TRANSPORTATION INFORMATION - SECTION 14**

**D.O.T.**

**Proper Shipping Name:** CHEMICALS, N.O.S. (NOT-REGULATED)

**Hazard Class/I.D. No./Packing Group:** N/A.

**Label:** N/A.

**I.M.O.**

**Proper Shipping Name:** CHEMICALS, N.O.S. (NOT-REGULATED)

**Hazard Class/I.D. No./Packing Group:** N/A.

**Label:** N/A.

I.C.A.O./I.A.T.A.

Proper Shipping Name: CHEMICALS, N.O.S. (NOT-REGULATED)

Hazard Class/I.D. No./Packing Group: N/A

Label: N/A

**REGULATORY INFORMATION - SECTION 15**

TSCA Inventory: None

Reportable Quantity (RO) Under US EPA CERCLA Regulations: None

SARA Hazard Notification Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370): None

Section 313 Toxic Chemical(s): None

Hazardous Chemical(s) Under OSHA Hazard Communication Standard: 1910.200 Subpart Z

**OTHER INFORMATION - SECTION 16**

Label Information:

CAUTION

Keep container tightly closed when not in use. Do not create elevated dust levels. Product may cause silicosis.

Hazard Ratings:

NFPA

Fire -- 0  
Health -- 2  
Reactivity -- 0  
Specific Hazard -- 0

HMIS

Health -- 2  
Flammability -- 0  
Reactivity -- 0

Information Contact: Becton Dickinson VACUTAINER® Systems  
A Division of Becton Dickinson and Company  
1 Becton Drive  
Franklin Lakes, NJ 07417-1885

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