

5955 Peachtree Corners E Suite A Norcross, GA 30071  
USA  
1.866 SORBTECH | T 770.936.0323 | F 770.936.0326

Form #: STI-061 Date: revision 003 12/12/2016

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## Section 1. PRODUCT IDENTIFICATION

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### Product Identifiers

Product Name: SP700  
CAS number: 9043-77-0  
Sepabeads Resin, Styrenic Absorbent, 180A, >250um, 1200m2/g, Water content 60-70%  
Product Part Numbers: SP700  
Synonyms: Synthetic absorbent resin  
Recommended use: Chromatography, Laboratory chemicals  
Uses advised against: None known

### Details of the Supplier of the Safety Data Sheet:

Company: Sorbent Technologies  
5955 Peachtree Corners East  
Norcross, GA 30071 USA

**Emergency Telephone Number**: 1-866-767-2832

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## Section 2. HAZARD IDENTIFICATION

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United States: According OSHA 29 CFR 1910.1200 HCS

**Classification of the Substance or Mixture**: Based on available data, the classification criteria are not met.

**GHS Label Elements, including Precautionary Statements**: None required

Emergency Overview: Odorless white or yellowish white spherical beads.

Potential Health Effects: Medical conditions aggravated by exposure: Not expected to be a health hazard.

Physical hazards: Not classified

Health hazards: Not classified

Environmental hazards: Not classified

OSHA defined hazards: Not classified

Chronic Effects: No adverse effects expected.

Carcinogenic Effects: IARC: Not listed NTP: Not listed OSHA: Not regulated

**Other Hazards Not Otherwise Classified (HNOC)**: None identified

Supplemental information: By contacting with water or solvents, trace level of substances such as C10H10, C10H12, C6H5CHO, HCHO, etc. may be released into the liquid. Please refer to applicable regulations.

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## Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

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### Chemical Characterization:

Ingredient	CAS No.	%
Benzene, diethenyl-, polymer with ethenylethylbenzene	9043-77-0	30-70
Remaining portion is water.		

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Synonyms: Premium macroporous styrenic polymeric bead type resin.  
Molecular weight: Not known.

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## Section 4. FIRST AID MEASURES

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### Description of First Aid Measures

**Skin:** Wash material off skin with soap and water. Seek medical attention if irritation develops and persists.  
**Eyes:** Do not rub eyes. Flush with copious amounts of water for 15 minutes while holding eyelids apart. Remove contact lenses, if present and easy to do. Seek medical attention if irritation develops and persists.  
**Ingestion:** Rinse the mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content does not get into lungs. Seek medical attention if gastrointestinal symptoms develop.  
**Inhalation:** Remove to fresh air. Seek medical attention if cough or respiratory symptoms develop.

### Most Important Symptoms and Effects, both acute and delayed

Direct contact with eyes may cause temporary irritation.

### Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

### General Information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

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## Section 5. FIRE-FIGHTING MEASURES

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### Extinguishing Media

**Suitable Extinguishing Media:** Foam. Dry chemicals. Carbon dioxide (CO<sub>2</sub>)  
**Unsuitable Extinguishing Media:** None known.  
**Flash Point:** Not applicable.  
**Non-flammable:** OSHA Method 16CFR1500.44 (Incorporated by reference in 29CFR1920.1200).  
**Flammability Limits in Air:** LFL and UFL, Not applicable.  
**Auto ignition temperature:** Not applicable.

### Advice for Firefighters

**General Hazard:** Not considered to be a fire hazard.  
**Fire Fighting Instructions:** Isolate large fires and allow to burn out. Extinguish fire using water fog, fine water spray, carbon dioxide or foam. Avoid stirring up dust clouds.  
**Fire Fighting Equipment:** Fire fighting personnel should wear full protective equipment, including self-contained breathing apparatus (SCBA) for all inside fires and large outdoor fires.  
**Hazardous Combustion Products:** Under certain conditions, any airborne dust be an explosion hazard. Hazard greater as fineness increases.

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## Section 6. ACCIDENTAL RELEASE MEASURES

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### Personal Precautions, Protective Equipment and Emergency Procedures

Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid dust formation. Avoid breathing vapors, mist or gas. Resins may be slippery. Do not step on the spilled resins. Evacuate non-essential personnel. Wear suitable protective clothing and gloves.

### Environmental Precautions

Prevent spilled resins from entering sewers or waterways.

### Methods and Material for Containment and Clean-up

**If a Spill or Leak Occurs:** Clean up spills in a manner that does not disperse dust into the air. Handle in accordance with industrial hygiene and safety practices. These practices include avoiding unnecessary exposure, and removal from eyes, skin, and clothing. Prevent product from entering drains.  
**Disposal Method:** Sweep up or vacuum up and shovel into suitable containers for disposal. Dispose in a facility for non-hazardous wastes. Spent should be disposed of in accordance with State and Federal laws.  
**Container Disposal:** Do not reuse empty bags or drums. Dispose of used bags in facility permitted for non-hazardous wastes.

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## Section 7. HANDLING AND STORAGE

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### Precautions for Safe Handling

Handling: Avoid prolonged contact with eyes and skin. Do not breath dust. Keep away from ignition sources. Use in well ventilated areas. Protect containers from physical damage. Wash hands after handling. Avoid release to the environment.

### Conditions for Safe Storage, Including any Incompatibilities

Storage: Store in cool, dry, ventilated area and in closed containers. Keep away from oxidizers, sunlight, heat or flames. Store away form ignition sources. Do not store above 24 deg. C.

TRGS 510): Non-combustible Solids

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## Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Control Parameters

Exposure Guidelines: No exposure limits noted for ingredient(s).

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### Component

### OSHA PEL ACGIH TLV

Benzene, diethenyl-, polymer with ethenylethylbenzene  
(9043-77-0)

Not established Not established (TWA)

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ACGIH is the American Conference of Governmental Industrial Hygienists

OSHA is the Occupational Safety and Health Administration

NIOSH is the National Institute of Occupational Safety and Health

PEL is the Permissible Exposure Limits established by OSHA.

TLV is the Threshold Limit Value a term ACGIH uses to express the maximum airborne concentration of a material to which most workers can be exposed during a normal daily and weekly work schedule without adverse effects.

MSHA is the Mine Safety and Health Administration

### Exposure Controls

Engineering Controls: Use local exhaust to control emissions near the source. Ventilation systems should be configured to prevent exceeding the recommended or regulated exposure limits (i.e. OSHA PELs).

Eye Protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Safety glasses with side shields are recommended for any type of handling. Where eye contact or dusty conditions may likely, dust tight goggles are recommended. Have eye washing equipment available.

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Avoid skin contact with this product. Wear appropriate dust resistant clothing. Wash contaminated clothing and clean protective equipment before reuse. Wash skin thoroughly after handling.

Full contact material: Nitrile rubber of minimum layer thickness 0.11 mm and break through time 480 minutes.

Body protection: Choose protection in relation to its type, to the concentration and the amount of any dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and of the amount of any dangerous substances at the specific workplace.

Respiratory Protection: Follow the OSHA respiratory regulations found in 29 CFR 1910.134 or European Standard EN149. Keep dust exposure to a minimum with engineering and administrative controls.

Use appropriate NIOSH/MSHA approved particulate respirators if necessary. Observe respirator use limitations specified by NIOSH/MSHA or the manufacturer. Use type N95 (US) or type P1 (EN 143) dust masks for nuisance levels of dust.

### General Industrial Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.

### Environmental Exposure Controls

No special environmental precautions required.

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## Section 9. PHYSICAL AND CHEMICAL PROPERTIES

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### Information on Basic Physical and Chemical Properties

Physical State:	Solid
Appearance:	White or yellowish-white spherical beads
Odor:	None
Odor Threshold:	No data available
pH:	Not applicable
Melting Point/Range:	Not applicable
Boiling Point/Range:	Not applicable
Flash Point:	Not applicable
Evaporation Rate:	No information available
Flammability (solid, gas); Flammability or Explosive Limits	No information available
Upper:	No data available
Lower:	No data available
Vapor Pressure:	Not applicable
Vapor Density:	Not applicable
Relative Density:	1.01 at 25 deg. C (water =1)
Solubility (water):	Insoluble
Solubility (solvents):	Insoluble
Partition Coefficient; n-octanol/water:	Not applicable
Autoignition Temperature:	Not applicable
Decomposition Temperature:	Not applicable
Viscosity:	Not applicable
Bulk density:	0.7 Kg/m <sup>3</sup>
Explosive properties:	Not explosive

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## Section 10. STABILITY AND REACTIVITY

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### Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

### Chemical Stability

This product is stable under normal conditions of storage, shipment and use. Avoid storing at high temperatures or in direct sunlight. Do not store above 24 deg. C.

### Possibility of Hazardous Reactions

No data available.

### Conditions to Avoid

Contact with incompatible materials.

### Incompatible Materials

Contact with strong oxidizers such as ozone, liquid oxygen, chlorine, permanganate, etc. may result in rapid combustion.

### Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors such as carbon oxides.

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## Section 11. TOXICOLOGICAL INFORMATION

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### Information on Toxicological Effects

#### Acute Toxicity

Component	LD50	LD50	LC50
	Oral	Dermal	Inhalation
Benzene, diethenyl-, polymer with ethenylethylbenzene	N/A	N/A	N/A

Toxicologically Synergistic Products: No information available.

#### Delayed and Immediate Effects as well as Chronic Effects from Short and Long Term Exposure

Irritation: Essentially no skin corrosivity.

Sensitization: Not a respiratory sensitizer.

Not a skin sensitizer.

**Carcinogenicity** Table below indicates if each agency has listed any ingredient as a Carcinogen.

<b>Component</b>	<b>CAS-No.</b>	<b>IARC</b>	<b>NTP</b>	<b>ACGIH</b>	<b>OSHA</b>	<b>Mexico</b>
Benzene, diethenyl-, polymer with ethenylethylbenzene	9043-77-0	Not listed	Not listed	Not listed	Not listed	Not listed

**Mutagenic Effects:** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Reproductive Effects:** This product is not expected to cause reproductive or developmental effects.

**Developmental Effects:** No information available.

**Teratogenicity:** No information available.

**Specific Target Organ Toxicity (STOT)-single exposure:** Not classified.

**Specific Target Organ Toxicity (STOT)-repeated exposure:** Not classified.

**Aspiration:** Not an aspiration hazard.

**Symptoms / Effects, Both Acute and Delayed:** Prolonged inhalation may be harmful.

**Endocrine Disruptor Information:** No information available.

**Other Adverse Effects:** The toxicological properties have not been fully investigated.

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## **Section 12. ECOLOGICAL INFORMATION**

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### **Ecotoxicity**

The product is not classified a environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have harmful or damaging effect on the environment.

### **Persistence/ Degradability**

No available on the degradability of this product.

### **Bioaccumulation Potential**

No information available.

### **Mobility in Soil**

No information available.

### **Other Adverse Effects**

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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## **Section 13. DISPOSAL CONSIDERATIONS**

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### **Waste Treatment Methods**

**Product:** This product is not considered a hazardous waste. Vacuum or shovel material into a closed container for reuse or disposal. Storage and disposal should be in accordance with applicable local, state and federal laws and regulations.

**Waste from Residues:** After removal of any hazardous and/or poisonous substances on used resin or contaminated package, dispose of materials by incineration or landfill.

**Contaminated Packaging:** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Local regulations may be more stringent than state or federal requirements.

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## Section 14. TRANSPORTATION INFORMATION

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Land: **DOT (US):** Not regulated  
**ADR/RID (EU):** Not regulated  
**TDG (Canada):** Not regulated  
Water: **IMO/IMDG:** Not regulated  
Air: **IACO/IATA:** Not regulated

### Special Precautions for User

No information available

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## Section 15. REGULATORY INFORMATION

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### Safety, Health and Environmental Regulations/ Legislation Specific for the Substance or Mixture

#### International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
9043-77-0	X	X	-	-	-	X	X	X	X	X	X

X indicates listed

### U.S. Federal Regulations

TSCA: CAS# 9043-77-0 is listed on the TSCA inventory. Not regulated.

CERCLA Hazardous Substances and Corresponding RQs: None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances: None of the chemicals in this product have a TPQ.

SARA Codes: CAS# 9043-77-0:

SARA 311/312 Hazardous Categorization:

Acute Health Hazard:	No
Chronic Health Hazard:	No
Fire Hazard:	No
Sudden Release of Pressure:	No
Reactive Hazard:	No

SARA Section 313: Not regulated

Clean Air Act:

This material does not contain any hazardous air pollutants, Class 1 Ozone depletors or Class 2 Ozone depletors.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances, Priority Pollutants or Toxic Pollutants under the CWA.

OSHA: Not applicable

CERCLA: Not applicable

### U.S. Department of Transportation (DOT)

Reportable Quantity (RQ): No

DOT Marine Pollutant: No

DOT severe Marine Pollutant: No

### U.S. Department of Homeland Security (DHS)

This product does not contain any DHS chemicals.

### States Right-to-Know

CAS# 9043-77-0

California Prop 65: Not listed. This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Massachusetts: No data

New Jersey Right to Know: No data.

Pennsylvania: No data.

Florida: No data.

Rhode Island: No data.

Illinois: No data.

Connecticut - Hazardous Air pollutants: No data.

**Canadian Classification**

WHMIS: Non-controlled.

DSL: Listed.

**EEC Council Directives relating to the classification, packaging, and labeling of dangerous substances and preparations.**

Risk and Safety Phrases: S2: Keep out of reach of children,,

**Mexico—Grade**

No information available.

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**Section 16. OTHER INFORMATION**

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**[Leachables]**

By contacting with water or solvent, trace level of substances such as C10H10, C10H12, C6H5CHO, HCHO etc. may be released into the liquid.

Please refer to applicable regulations and please call for details.

*The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to these products or handling of these products. Customers/users must comply with all applicable health and safety laws, regulations, and orders*

**SDS REVISION SUMMARY:** revision 003 dated 12/12/16  
replaces revision 002 dated 9/30/14.

*This document has been updated to comply with the U.S. OSHA HazCom 2012 Standard replacing the current Legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)*