

Section 1. PRODUCT IDENTIFICATION

Product Identifiers

Product Name: SuperSorb 75
CAS number: 9012-36-6
REACH Registration No.: Not known.

Product Part Numbers: 801043

Synonyms: Cross-linked Beaded dextran-agarose composite

Recommended use: Laboratory chemical, purification of proteins, manufacture of substances.

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
Telephone Number: 770-936-0323
Emergency Telephone Number: 1-866-767-2832

Section 2. HAZARD IDENTIFICATION

United States: According OSHA 29 CFR 1910.1200 HCS

Classification of the Substance or Mixture:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable liquids (Category 3), H226

GHS Label Elements according to Regulation (EC) No. 1272/2008 [EU-GHS/CLP]

Pictograms



GHS02: Flammable

Signal Word Warning

Emergency Overview: Aqueous suspension of dextran-agarose composite with ethanol.

Hazard statements; H226 Flammable liquid and vapor.

Precautionary statements:

P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P280 Wear protective gloves/ eye protection/ face protection.

P303+P361+ P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P370+ P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

P403+ P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/ container to an approved waste disposal plant.

Chronic Effects: No adverse effects expected.

Other Hazards Not Otherwise Classified (HNOC): This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization:

Aqueous suspension of dextran-agarose compose with ethanol.

Ingredient	CAS No.	EC No.	Index No.	Classification	%
Ethanol	64-17-5	200-578-6	603-002-00-5	Flammable Liquid2, Eye Irritant 2 H225,H319	15—22%(Vol.)

Section 4. FIRST AID MEASURES

Description of First Aid Measures

Skin: Wash material off skin with soap and water. Seek medical attention if irritation occurs.

Eyes: Flush with copious amounts of water for 15 minutes. Seek medical attention if irritation occurs.

Ingestion: Give one or two glasses of water to drink. Do not induce vomiting. 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

To the best of our knowledge, chemical, physical and toxicological properties have not been thoroughly investigated.

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

Section 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: CO₂. powder, alcohol-resistant foam, water in large amounts.

Unsuitable Extinguishing Media: No data available.

Flash Point: No data available.

Flammability Limits in Air: LFL and UFL No data available.

Auto ignition temperature: No data available.

Special Hazards Arising from the Substance or Mixture

Hazardous combustion products: Oxides of carbon.

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.

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.

Additional Information

Use water spray to cool unopened containers.

Section 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear protective clothing. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Avoid release to the environment.

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 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.

Section 7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling: Avoid prolonged contact with eyes and skin. Avoid formation of vapors/aerosols. Keep away from ignition sources. No smoking. Use in well ventilated areas. Take measures to prevent the buildup of electrostatic charge.

Conditions for Safe Storage, Including any Incompatibilities

Storage: Store in cool, dry, well-ventilated area and in closed containers. Keep away from oxidizers, heat or flames. Store away from ignition sources. Recommended storage temperature: 2 to 8 degrees C.

Storage class (TRGS 510): Flammable liquids.

Specific end uses: Liquid chromatography. Research and development.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Exposure Guidelines: No components with workplace control parameters.

Component	OSHA PEL	STEL	ACGIH TLV	NIOSH TWA	PEL
Ethanol (64-17-5)	1000 ppm	1000 ppm	1000 ppm	1000 ppm	1000 ppm

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.

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. The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374. Clean protective equipment before reuse. Wash skin thoroughly after handling.

Body protection: Flame retardant antistatic protective clothing. 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

When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. 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.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State:	White solid suspension.
Appearance:	White
Odor:	Alcohol-like (slight)
Odor Threshold:	180ppm
pH:	No data available
Melting Point/Range:	No data available
Boiling Point/Range:	No data available
Flash Point:	30—43 degree C (104 degree F)
Evaporation Rate:	No data available
Flammability (solid, gas);	No data available
Flammability or Explosive Limits	
Upper:	No data available
Lower:	No data available
Vapor Pressure:	No data available
Vapor Density:	No data available
Relative Density:	No data available
Solubility:	No data available
Partition Coefficient;	
n-octanol/water:	No data available
Autoignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	No data available
Molecular Formula:	No data available
Molecular weight:	No data available
Other Safety Information	No data available

Section 10. STABILITY AND REACTIVITY

Reactivity

Vapor/air-mixtures are explosive at warming..

Chemical Stability

This product is chemically stable under the specified conditions of storage, shipment and use. Avoid storing at high temperatures or in direct sunlight. Store ambient temperatures.

Possibility of Hazardous Reactions

Violent reactions possible with: The generally known reaction partners of water.

Conditions to Avoid

Heat, flames and sparks. Extremes of temperature and direct sunlight. Do not pressurize, cut weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

Incompatibility Materials

Oxidizing materials.

Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation Rat
Ethanol	7000 mg/kg (OECD Guideline 401)	No data available	1247000 (4 hours) (OECD Guideline 403)

Toxicologically Synergistic Products: No information available.

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

Irritation: No data available
Sensitization: No data available.

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

Component	CAS-No.	IARC	NTP	ACGIH	OSHA	Mexico
Ethanol	64-17-5	Not listed	Not listed	Not listed	Not listed	Not listed

Mutagenic Effects: No information available.

Reproductive Effects: No information available.

Developmental Effects: No information available.

Teratogenicity: No information available.

Specific Target Organ Toxicity (STOT)-single exposure: None known.

Specific Target Organ Toxicity (STOT)-repeated exposure: None known.

Aspiration: No information available.

Potential Health Effects

Eyes: No known significant effects or critical hazards.

Skin: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Symptoms / Effects, Both Acute and Delayed: No information available.

Endocrine Disruptor Information: No information available.

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

Other Information: RTECS numbers (NIOSH): No Data available.

Central nervous system depression, narcosis. Damage to the heart. Heart-irregularities-based on human evidence (ethanol).

Section 12. ECOLOGICAL INFORMATION

Toxicity

No data available.

Persistence/ Degradability

Component: Ethanol

Result: 100% - Readily in 20days

Bioaccumulation Potential

Component: Ethanol

LogP ow -0.35, BCF 0.66, Potential is low

Mobility in Soil

No data available.

Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent , bioaccumulative and toxic (PBT), or very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other Adverse Effects

No data available.

Component: Ethanol

Toxicity to fish flow-through test LC50 - Pimephales promelas (fathead minnow) - 15,300 mg/l - 96 h (US-EPA)

Toxicity to daphnia and other aquatic invertebrates static test LC50 -

Ceriodaphnia dubia (water flea) - 5,012 mg/l - 48 h (ECHA)

Section 13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

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

Contaminated Packaging: Local regulations may be more stringent than state or federal requirements.

Waste steam

Code: D001

Classification: Ignitability

Section 14. TRANSPORTATION INFORMATION

Land: **DOT (US)** : UN number: 1170 Class:3 Packing group: III
Proper shipping name: Ethanol solutions
Reportable Quantity (RQ): Poison Inhalation Hazard: No
ADR/RID (EU) UN number: Not regulated
ADR/RID (EU) UN Proper shipping name: Not dangerous goods (<24% Ethanol)
ADR/RID (EU) Transportation hazard class(es):
ADR/RID (EU) Packaging group:
Water: **IMO/IMDG** UN number: Not regulated
IMO/IMDG UN Proper shipping name: Not dangerous goods (<24% Ethanol)
IMO/IMDG Transportation hazard class(es):
IMO/IMDG Packaging group:
Air: **IACO/IATA** UN number: Not regulated
IACO/IATA UN Proper shipping name: Not dangerous goods (<24% Ethanol)
IACO/IATA Transportation hazard class(es):
IACO/IATA Packaging group:
Environment hazards
ADR/RID (EU): No **IMDG Marine pollutant:** No **IATA:** No
Special Precautions for User
No data available
Transportation in bulk according to Annex II of MARPOL 73/78 and the IBC code
Not relevant

Section 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations/ Legislation Specific for the Substance or Mixture International Inventories.

U.S. Federal Regulations

TSCA 8(a) CDR Exempt/exemption: Not determined

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

SARA Section 302/304 Extremely Hazardous Substances: None of the chemicals in this product have a TPQ.

SARA Codes: Classification: Flammable liquid—Category 3

Composition/information on ingredients: ethanol, >15% - <22%, Flammable liquids—Category 2

SARA 311/312 Hazardous Categorization:

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

SARA Section 313: No data available.

Clean Air Act:

This material does not contain any hazardous air pollutants,

Class 1 Ozone depletors: Not listed

Class 2 Ozone depletors: Not listed

United States Drug Enforcement Administration

DEA List I Chemicals (Precursor Chemicals): Not listed

DEA List II Chemicals (Essential Chemicals): Not listed

U.S. Department of Homeland Security (DHS)

This product does not contain any DHS chemicals.

States Right-to-Know

California Prop 65: Ethanol 64-17-5, which is known to the State of California to cause cancer and birth defects or other reproductive harm. Revision 2011-05-20.

Massachusetts: 7732-18-5 water, 64-17-5 ethanol, revision date 1993-04-24.

Pennsylvania: 64-17-5 ethanol, revision date 1993-04-24.

International regulations

Chemical Weapons Convention List Schedules I, II & III Chemicals: Not listed

Montreal Protocol: Not listed

Stockholm Convention on Persistent Organic Pollutants: Not listed

Rotterdam Convention on Prior Informed Consent (PIC): Not listed

UNECE Aarhus Protocol on POPs and Heavy Metals: Not listed

Section 16. OTHER INFORMATION

Additional Information

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 001 dated 04/06/2023*
 replaces revision 000 dated 03/30/2023.

This document complies 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)