



DEXTRAN POWDER

Safety Data Sheet

According to Regulation (EC) 1272/2008

SECTION 1 - Chemical Product and Company Identification

1.1 Product Identifiers

Product Name: : Dextran Powder
 CAS #: : 9004-54-0
 EC #: : 232-677-5
 RTECS #: : Not available
 REACH Registration Number : Not available

1.2 Recommended Use of the Chemical and Restrictions of Use

Chemical Manufacturing

1.3 Supplier Details

Supplier: BioSpectra Canada Inc., o/a Dextran Products
 421 Comstock Road
 Scarborough, Ontario M1L2H5
 T: 416-755-2231
 ehs@biospectra.us

1.4 Emergency Numbers

Emergency number: US & Canada: 1-800-424-9300
 Outside the US & Canada: +1 703-527-3887

SECTION 2 – Hazard Identification

2.1 Classification of Substance or Mixture

Not a Dangerous Substance per GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

2.2 GHS Label Elements Including Precautionary Statements

None

2.3 Hazards not Classified or not Covered by the GHS

None

SECTION 3 – Composition, Information on Ingredients

Component	Classification	Concentration
Dextran, powder	None	<=100%

Synonyms : 2,3,4,5-tetrahydroxy-6-[3,4,5-trihydroxy-6-[[3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxymethyl]oxan-2-yl]oxyhexanal

EC Number : 232-677-5
 CAS Number : 9004-54-0
 Molecular Formula : (C₁₆H₁₀O₅)_n
 Molecular Weight : Various

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SECTION 4 – First Aid Measures

4.1 Description of Necessary First Aid Measures

Eyes	: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Immediately call in ophthalmologist. Remove contact lenses.
Skin	: Take off contaminated clothing immediately. Rinse contaminated area with plenty of water for at least 15 minutes.
Ingestion	: Immediately drink plenty of water to dilute. DO NOT induce vomiting unless instructed to do so by a medical professional. Never give anything by mouth to an unconscious person.
Inhalation	: Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Notes to Physician	: Treat symptomatically and supportively.

4.2 Most Important Symptoms/Effects, Acute and Delayed

No information available

4.3 Indication of Immediate Medical Attention and Special Treatment

No information available

SECTION 5 - Firefighting Measures

5.1 Extinguishing Media

Water spray, alcohol-resistant foam, dry chemical or carbon dioxide

5.2 Specific Hazards Associated with this Chemical

Carbon oxides

5.3 Special Equipment/Precautions for Firefighters

May be combustible at high temperatures. As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source. In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Explosion will appear as fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

5.4 Other Information

Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6 - Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Avoid dust formation. Ensure adequate ventilation. Use proper personal protective equipment as indicated in Section 8.

6.2 Environmental Precautions

Do not allow product to enter drains

6.3 Methods and Materials for Containment and Cleaning Up

Cover drains. Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions.

6.4 Other Information

For disposal instructions see section 13.

SECTION 7 - Handling and Storage

7.1 Precautions for Safe Handling

Avoid contact with skin and eyes. Do not breath dust. Do not ingest. If swallowed then seek immediate medical assistance. Minimize dust generation and accumulation. Wash hands before breaks and immediately after handling the product.

7.2 Conditions for Storage Including any Incompatibilities

Keep container tightly closed in a dry and well-ventilated place at ambient temperatures and humidity.

7.3 Other Information

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8 - Exposure Controls, Personal Protection

8.1 Control Parameters

Chemical does not contain any substances with occupational exposure limits

8.2 Engineering Controls

Change contaminated clothing. Wash hands after working with substance.

8.3 Personal Protective Equipment

Eyes

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Tightly fitting safety goggles.

Skin

Wear appropriate protective gloves to prevent skin exposure. Wear impervious gloves: Nitrile rubber with layer thickness 0.07mm. This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Full contact

Material: Viton®

Minimum layer thickness: 0.7 mm

Break through time: 480 min

Material tested: Vitoject® (KCL 890 / Aldrich Z677698, Size M)

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.4 mm

Break through time: 30 min

Material tested: Camatril® (KCL 730 / Aldrich Z677442, Size M)

Clothing

Wear appropriate protective clothing to prevent skin exposure

Respirators

Required when dusts are generated.

Our recommendations on filtering respiratory protection are based on the following standards: NIOSH, DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Control of environment exposure

Do not let product enter drains

SECTION 9 - Physical and Chemical Properties

Physical State	: Solid
Appearance	: White Powder
Odor	: Slight Phenolic smell
pH	: 4.5-7.0 (10% in water)
pK _a	: Not available
Vapor Density	: Not available
Viscosity	: Not available
Melting Range	: Not available
Boiling Point	: Not available
Decomposition Temperature	: Not available
Specific Gravity/Density	: Not available
Solubility	: 579.9 g/L at 20 °C
Molecular Formula	: (C ₁₆ H ₁₀ O ₅) _n
Molecular Weight	: Various

SECTION 10 - Stability and Reactivity**10.1 Chemical Stability**

Stable under standard ambient conditions (room temperature).

10.2 Conditions to Avoid

Not data available

10.3 Incompatibilities with Other Materials

Strong oxidizing agents

10.4 Hazardous Decomposition Products

Hazardous decomposition products formed under fire conditions. Carbon Oxides

In the event of a fire refer to section 5

10.5 Hazardous Polymerization

Not data available

SECTION 11 - Toxicological Information**11.1 Toxicological Effects**

LD50/LC50 Oral, rat	: LD50 => 3000 mg/kg
LD50/LC50 Dermal, rat	: No data available
Carcinogenicity	: CAS# 9004-54-0: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA
Epidemiology	: Reconstructed human epidermis (RhE) Result no irritation – 15 min
Teratogenicity	: No data available
Reproductive Effects	: None listed
Neurotoxicity	: No data available
Mutagenicity	: No data available
Other Studies	: No data available

11.2 Additional Information

RTECS# : Not available

To the best of our knowledge the associated physical, chemical and toxicological properties of this chemical have not undergone thorough investigation, all known information is contained in this SDS.

SECTION 12 - Ecological Information**12.1 Ecotoxicity**

No information available

12.2 Persistence and Degradability

No information available

12.3 Bioaccumulative Potential

No information available

12.4 Mobility in Soil

No information available

12.5 Results of PBT and vPvB Assessment

No information available as chemical safety assessment not required/not conducted

12.6 Other Adverse Effects

No information available

SECTION 13 - Disposal Considerations

Waste material must be disposed of in accordance with the national, state, and local requirements. No mixing with other waste. Handle uncleaned containers like the product.

SECTION 14 - Transport Information

Regulations	US DOT	IATA	IMDG	Further information
Shipping Name	Not Dangerous Goods	Not Dangerous Goods	Not Dangerous Goods	Not classified as dangerous in the meaning of transport regulations
Hazard Class				
UN Number				
Packing Group				

SECTION 15 - Regulatory Information**15.1 EHS Chemical Specific Regulations****SARA:**

- Section 302 : This material does not contain any components with a section 302 EHS TPQ
- Section 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
- SARA 311/312 Hazards : No SARA Hazards

STATE SPECIFIC:

- Massachusetts Right To Know Components : No components are subject to the Massachusetts Right to Know Act.

SECTION 16 - Additional Information**16.1 Hazard Ratings**

	NFPA Rating
Health hazard	1
Fire Hazard	1
Reactivity Hazard	0

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