



# DEXTRAN PRODUCTS

(A Division of POLYDEX PHARMACEUTICALS LIMITED)

421 - 423 Comstock Road  
Scarborough, Ontario, Canada  
M1L 2H5  
Tel: 416-755-2231  
Fax: 416-755-0334  
www.dextran.ca

## SAFETY DATA SHEET

### SECTION 1

**PRODUCT NAME:**  
**GENERIC DESCRIPTION:**  
**SUPPLIED BY:**  
**FORMULA:**  
**RECOMMENDED USE:**  
**USES ADVISED AGAINST:**

### PRODUCT & COMPANY IDENTIFICATION

DEXTRAN SULPHATE POWDER  
Dextran Sulphate Powder.  
Dextran Products Limited.  
 $(C_6H_9O_5 SO_3Na)_{n+1}$   
Laboratory Chemicals  
No Information available

#### Details of the supplier of the safety data sheet:

**Company:**  
Dextran Products  
421 Comstock Rd  
Scarborough, Ontario  
M1L 2H5

**Emergency Telephone Number:**  
416-755-2231

### SECTION 2

**POTENTIAL HEALTH EFFECTS:**

### HAZARDOUS IDENTIFICATION

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

**CLASSIFICATION:**

Classification under 2012 OSHA Hazard Communication ( 29 CFR 1910.1200 )

**LABEL ELEMENTS:**

Not required

**HAZARDS NOT OTHERWISE CLASSIFIED (HNOC):** None identified

### SECTION 3

**COMPONENTS:**

### COMPOSITION

Dextran Sulphate Sodium Salt

**CAS-No:**

9042-14-2

### SECTION 4

**INSTRUCTIONS**

### FIRST-AID MEASURES

**EYES:**

Flush eyes with large amounts of water for at least 15 minutes. Hold the eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Obtain immediate medical attention.

**SKIN:**

Wipe off and flush with water.

**INHALATION:** Remove victim from further exposure and restore breathing, if required.  
**INGESTION:** Do not take internally, Rinse mouth with large amounts of water. Seek medical help.

**MOST IMPORTANT SYMPTOMS/EFFECTS:** No information available.

**NOTES TO PHYSICIAN:** Treat symptomatically.

## **SECTION 5**

### **FLAMMABILITY:**

### **EXTINGUISHING MEDIA:**

### **SPECIAL PROCEDURES:**

### **FLASH POINT:**

### **AUTO IGNITION TEMPERATURE:**

### **T.D.G. FLAM. CLASS:**

### **UNUSUAL FIRE AND EXPLOSION HAZARDS:**

### **HAZARDOUS COMBUSTION PRODUCTS:**

### **EXPLOSION DATA**

#### **MAX. PRES. OUTPUT:**

#### **MAX. PRES. RISE RATE:**

#### **DEFLAGRATION INDEX:**

### **DISCHARGE**

#### **SENSITIVITY TO IMPACT:**

#### **RATE OF BURNING:**

## **FIRE-FIGHTING MEASURES**

Not available.

Water spray, CO<sub>2</sub>, Dry Chemical or Foam

Self contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

Not applicable.

Not available.

Not regulated.

None known.

None known.

Unknown

Unknown.

Unknown.

Not applicable.

Not available.

**UNSUITABLE EXTINGUISHING MEDIA:** No information available

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:** Keep product and empty container away from heat and sources of ignition.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide (CO) Carbon Dioxide (CO<sub>2</sub>)

### **PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **NFPA**

**Health**

1

**Flammability**

1

**Instability**

0

**Physical Hazards**

N/A

## **SECTION 6**

### **PERSONAL PRECAUTIONS**

## **ACCIDENTAL RELEASE MEASURES**

Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation.

**ENVIRONMENTAL PRECAUTIONS:** Should not be released into the environment. See Section 12 for additional ecological information.

**LEAK/SPILL:** Use absorbent material to collect and contain for salvage or disposal according to local laws.

## **SECTION 7**

## **HANDLING AND STORAGE**

### **HANDLING PROCEDURES AND EQUIPMENT:**

Maintain good personal hygiene, any gross amount of chemical should be removed from the skin as soon as possible, especially before eating or smoking. Wear personal protective equipment. Ensure ventilation. Avoid contact with skin, eye, and clothing.

**STORAGE NEEDS:** Store in a cool dry place away from heat and ignition sources.

## **SECTION 8**

## **EXPOSURE CONTROLS/PERSONAL PROTECTION**

**GLOVES/TYPE:**

Butyl rubber gloves.

**RESPIRATOR/TYPE:**

In the absence of proper environmental controls, an approved dust mask is recommended.

**EYE/TYPE:**

Chemical safety goggles.

**FOOTWEAR/TYPE:**

Safety boots.

**CLOTHING/TYPE:**

Normal protective overalls.

**OTHER/TYPE:**

Safety Showers and Eye Wash Stations.

**ENGINEERING CONTROLS:**

Electrical and mechanical equipment should be explosion and dust proof. Exhaust equipment is recommended over the work area with make up air to balance air exhausted.

**EYE/ PROTECTION:**

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

**RESPIRATORY PROTECTION:**

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European standard EN 149. Use a NIOSH/MSHA or European standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## **SECTION 9**

## **PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:**

White fluffy powder.

**ODOR:**

Slight phenolic smell.

**BOILING POINT:**

Not applicable.

**FREEZING POINT:**

Not applicable.

**pH:**

5.0 – 7.5 (1% in DW).

**SPECIFIC GRAVITY:**

Not available.

**SOLUBILITY IN WATER:**

Fully soluble at low concentrations, will dissolve at higher concentrations with warming.

**MELTING POINT/RANGE:**

No data available.

**FLASH POINT:**

No data available.

**EVAPORATION RATE:**

Negligible.

**FLAMMABILITY (solid, gas):** No information available.  
**FLAMMABILITY or EXPLOSIVE LIMITS:**  
**UPPER:** No data available  
**LOWER:** No data available  
**VAPOR PRESSURE:** Negligible.  
**VAPOR DENSITY:** No information available.  
**RELATIVE DENSITY:** No information available.  
**SOLUBILITY:** Soluble in water.  
**PARTITION COEFFICIENT; n-octanol/water:** No data available.  
**AUTOIGNITION TEMPERATURE:** No information available.  
**DECOMPOSITION TEMPERATURE:** No information available.  
**VISCOSITY:** No information available.

**SECTION 10**

**STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** Stable.  
**COMPATIBILITY WITH OTHER SUBSTANCES:** Mixing with any other chemical should be avoided or discussed first with supplier.  
**REACTIVITY CONDITIONS:** Avoid excessive heat, open flames and all ignition sources.  
**HAZARDOUS POLYMERIZATION:** Not available.  
**HAZARDOUS PRODUCTS OF DECOMPOSITION:** None known.  
**REACTIVE HAZARD:** None known.  
**INCOMPATIBLE MATERIALS:** Strong oxidizing agents.

**SECTION 11**

**TOXICOLOGICAL INFORMATION**

**ROUTE OF ENTRY**  
**SKIN CONTACT:** Little known effect.  
**SKIN ABSORPTION:** Little known effect.  
**EYE CONTACT:** Can cause irritation.  
**INHALATION:** Can cause irritation to lungs.  
**INGESTION:** May cause irritation.  
**EFFECTS OF ACUTE EXPOSURE:** None known.  
**EFFECTS OF CHRONIC EXPOSURE:** None known.  
**MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:** Lung or breathing problems may be aggravated.  
**LD 50 OF MATERIAL:** Not available.  
**CARCINOGENICITY:** Not available.  
**REPRODUCTIVE EFFECTS:** Not available.  
**ENVIRONMENTAL TOXICITY:** Not available.  
**CARCINOGENICITY:** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
Dextran Sulphate	9042-14-2	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

**SECTION 12****TOXICITY:****ECOLOGICAL INFORMATION**

No data available

**PERSISTENCE & DEGRADABILITY:** No data available**BIOACCUMULATIVE POTENTIAL:** No data available**MOBILITY IN SOIL:** No data available**PBT and vPvB ASSESSMENT:** No data available**OTHER ADVERSE EFFECTS:** No data available**SECTION 13****WASTE DISPOSAL:****DISPOSAL CONSIDERATION**

All local, provincial and federal regulations concerning health and pollution must be reviewed to determine the approved disposal procedures.

**CONTAMINATED PACKAGING:** Dispose of as unused product.**SECTION 14****BASIC SHIPPING INFO:****TRANSPORT INFORMATION**

Not dangerous goods.

Not regulated for transport by IATA.

**SECTION 15****WHMIS CLASSIFICATION:****REGULATORY INFORMATION**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulation.

**INTERNATIONAL INVENTORIES:**

<b>Component:</b>	<b>TSCA</b>	<b>DSL</b>	<b>NDSL</b>	<b>EINECS</b>	<b>ELINCS</b>	<b>NLP</b>	<b>PICCS</b>	<b>ENCS</b>	<b>AICS</b>	<b>IECSC</b>	<b>KECL</b>
Dextran Sulphate	X	X	-	-	-	TBD	-	X	X	X	KE-09626

**Legend:**

X-Listed

E- Indicates a substance that is the subject of a section 5(e) Consent order under TSCA.

F- Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.

N- Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.

P- Indicates a commenced PMN substance.

R- Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.

S- Indicates a substance that is identified in a proposed or final Significant New Use Rule.

T- Indicates a substance that is the subject of a Section 4 test rule under TSCA.

XU- Indicates a substance exempt from reporting under the Inventory Update Rule, i.e Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B)).

Y1- Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.

Y2- Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concerns reactants that comprises one of the eligibility criteria for the exemption rule.

**U.S. FEDERAL REGULATIONS:**

TSCA 12(b) Not applicable  
SARA 313 Not applicable

**SARA 311/312 Hazardous Categorization**

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

CLEAN WATER ACT: No  
CLEAN AIR ACT: No

OSHA: Occupational Safety and Health Administration: Not Applicable

CERCLA: Not Applicable

**U.S. DEPARTMENT of TRANSPORTATION:**

Reportable Quantity (RQ): N  
DOT Marine Pollutant: N  
DOT Severe Marine Pollutant: N

**WHMIS Hazard Class: Non-controlled**

**SECTION 16**

**OTHER INFORMATION**

**EMERGENCY TELEPHONE NUMBER:**

416-755-2231

**PREPARED BY:**

Dextran Products

**DATE:**

June 7, 2019

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user must review these recommendations in the specific context of the intended use and determine whether they are appropriate..