



DEXTRAN PRODUCTS

(A Division of POLYDEX PHARMACEUTICALS LIMITED)

421 - 423 Comstock Road
Scarborough, Ontario, Canada
MIL 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

PRESERVED DEXTRAN LIQUID.
Preserved Dextran Liquid.
Dextran Products Limited.
(C₆H₁₀O₅)_{n+1}
Laboratory Chemicals
No Information available

Details of the supplier of the safety data sheet:

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

Emergency Telephone Number:
416-755-2231

SECTION 2

POTENTIAL HEALTH EFFECTS:

HAZARDOUS IDENTIFICATION

Material is stabilized with Gluteraldehyde and Spectrum RX 9100.

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, Water, Gluteraldehyde, and Spectrum RX9100 as preservatives.

CAS-No:

9004-54-0

SECTION 4

INSTRUCTIONS

EYES:

FIRST-AID MEASURES

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 SYMTOMS/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

Care should be taken since material contains carbohydrates.

Water spray, CO₂, 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.

This liquid may form an explosive mixture under the right conditions since it contains carbohydrates

Not available

Not available

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: None known.

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.

NEPA

Health
1

Flammability
1

Instability
0

Physical Hazards
N/A

SECTION 6

PERSONAL PRECAUTIONS

ENVIRONMENTAL PRECAUTIONS:

LEAK/SPILL:

ACCIDENTAL RELEASE MEASURES

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

Should not be released into the environment. See Section 12 for additional ecological information.

Use absorbent material to collect and contain for salvage or disposal according to local laws.

SECTION 7

HANDLING PROCEDURES AND EQUIPMENT:

HANDLING AND STORAGE

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

GLOVES/TYPE:

RESPIRATOR/TYPE:

EYE/TYPE:

FOOTWEAR/TYPE:

CLOTHING/TYPE:

OTHER/TYPE:

ENGINEERING CONTROLS:

EXPOSURE CONTROLS/PERSONAL PROTECTION

Butyl rubber gloves.

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

Chemical safety goggles.

Safety boots.

Normal protective overalls.

Safety Showers and Eye Wash Stations.

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 STATE:

ODOR:

BOILING POINT:

FREEZING POINT:

pH:

SPECIFIC GRAVITY:

SOLUBILITY IN WATER:

MELTING POINT/RANGE:

PHYSICAL AND CHEMICAL PROPERTIES

Cream coloured liquid.

Slight phenolic smell.

100C.

0C.

4.0 – 8.0

1.0 to 1.2.

Complete.

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	9004-54-0	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.

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:

Component:	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
Dextran	X	X	-	232-677-5	-	TBD	X	X	X	X	X

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

EMERGENCY TELEPHONE NUMBER:

OTHER INFORMATION

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.