Safety Data Sheet
FITC-Dextran Sulfate

Version 5.0 Revision date: 2019-12-11

Section 1. Product Identification

Trade name:	FITC-dextran sulfate
Chemical name:	O-(fluoresceinylthiocarbamoyl) dextran, hydrogen sulphate
Catalogue no.	FDSS4, FDSS10, FDSS40, FDSS500
CAS no.	N/A
Mol. Formula:	N/A
Manufacturer:	TdB Labs AB, Virdings Allé 22, 754 50 Uppsala, SWEDEN Tel: +46 (0)730608200

Section 2. Hazards Identification

Classification of the substance:	Not a hazardous substance
Label elements:	Caution- substance not yet tested completely

Section 3. Composition/Information on ingredients

Chemical family:	Carbohydrate polymer
Appearance/odour:	Pale yellow powder, no distinctive odour
Melting point:	Decomposes on heating
Solubility:	Soluble in water
Molecular weight:	4000-500000 Dalton

Section 4. First-aid Procedures

Inhalation:	Remove exposed person to fresh air. Get medical attention.
Eyes:	Wash thoroughly with water for 15 minutes. Get medical attention.
Skin:	Wash off with soap and water.
Ingestion:	Rinse mouth with water and give water to drink. No treatment required if only small amount.

Section 5. Fire-fighting Measures

Extinguishing media:	Carbon dioxide, dry chemicals or water
Special fire-fighting procedures:	Use media appropriate for primary cause of fire.

Section 6. Accidental Release Measures

Action in event of spill:	Collect material taking precautions to minimize dust. Use wet mop. Place collected material in suitable container for disposal. Flush area with water and drain into sewer. Floor may become slippery.

Section 7. Handling and storage

Precautions to be taken when handling:	Protect from dust. Use approved facemask and protective clothes. Wear safety glasses. In case of severe and repeated exposure follow recommendations of local safety officer. Store in tight dark container.

Section 8. Exposure Controls/Personal Protection

Exposure limit:	Not established
Special personal protective equipment:	Use suitable protective clothing
Respiratory:	Use approved face mask.
Eyes:	Use safety goggles.
Gloves:	Use plastic gloves

Section 9. Physical and Chemical Properties

General information:	
Appearance:	Pale yellow powder
pH:	6.0-7.5
Vapour pressure:	N/A
Relative density:	N/A
Melting point:	Decomposes with charring
Molecular weight:	Approx. 4000-500000 Dalton
Flash point:	N/A
Solubility in water:	> 50% by weight

Section 10. Stability and Reactivity

Stability (normal conditions):	Stable for more than 6 years when stored dry in well-sealed containers at ambient temperature.
Conditions to avoid:	High humidity; high temperatures (>60°C)
Incompatibility:	Avoid contact with oxidizing agent (e.g. nitric acid, permanganates).
Hazardous decomposition products:	Thermal decomposition may yield oxides of carbon and sulfur.

Section 11. Toxicological information

Toxicity information:	The substance is a polyanion and possesses many biological activities in vivo. However since it is poorly absorbed by the skin no toxic effects are expected under normal operating conditions provided the recommended precautions are followed.
LD50:	N/A
Routes of entry:	Effects of occupational overexposure:
Inhalation:	No information on the toxicity after inhalation. Most dust will produce irritation, inflammation or toxic symptoms on prolonged inhalation.
Eye contact:	No information available on eye exposure.
Skin contact:	Dermal absorption not known but presumably nil.
Ingestion:	No information

Section 12. Ecological information

No information available. However, dextran itself is biodegradable.

Section 13. Disposal Recommendations

Collect material taking precautions to minimize dust. Use wet mop. Place collected material in suitable container for disposal. Flush area with water and drain into sewer. Large quantities may be incinerated.

Section 14. Transport information

EEC:	Not listed
Dangerous goods:	Not restricted
EINECS:	Not listed

Section 15. Regulatory information

P261:	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

Section 16. Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions.
It does not represent any guarantee of the properties of the product. TdB Labs AB shall not be held liable for any damage resulting from handling or from contact with the above product.