**Section 1. Product Identification**

- **Product name:** FITC-dextran
- **Chemical name:** Dextran, (3’,6’-dihydroxy-3-oxospiro[isobenzofuran-1(3H), 9’-][9H]xanthen]-5-yl)carbamothioate
- **Catalogue no.** FD4, FD10, FD20, FD40, FD70, FD150, FD500, FD2000
- **CAS no.** 60842-46-8
- **Mol. Formula:** N/A
- **Manufacturer:** TdB Consultancy AB, Virdings Allé 28, 754 50 Uppsala, SWEDEN
  - Tel: +46 18 7001204

**Section 2. Composition/Information on ingredients**

- **Chemical family:** polysaccharide derivative
- **Appearance/odour:** Yellow powder, no distinctive odour
- **Melting point:** Decomposes on heating
- **Solubility:** Freely soluble in water
- **Molecular weight:** 4000-2 million Dalton

**Section 3. Hazards Identification**

- **Routes of entry Effects of occupational overexposure**
  - 1. Inhalation: No information on the toxicity after inhalation. Most dust will produce irritation, inflammation or toxic symptoms on prolonged inhalation.
  - 2. Eye contact: No information available on eye exposure.
  - 3. Skin contact: Dermal absorption not known but presumably nil.
  - 4. Ingestion: No information available of toxicity available.

**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 face-mask 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: | Yellow powder, No distinctive odour |
| Vapour pressure: | N/A |
| Melting point: | N/A |
| Molecular weight: | approx. 4000-2 million 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.

Hazardous polymerization: Does not occur.

Conditions to avoid: High humidity

Incompatibility: Avoid contact with oxidizing agent (e.g. nitric acid)

Hazardous decomposition products: Thermal decomposition may yield oxides of carbon and small amounts of oxides of nitrogen and sulfur.

Section 11. Toxicological information

Toxicity information: The substance is well tolerated by experimental animals and cells and no toxic effects are expected under normal operating conditions. No formal toxicity reports available.

LD50: N/A

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

S22: Avoid inhalation of dust.