

Safety Data Sheet

FITC-HES

Version 3.0 Revision date 2019-12-11

Section 1. Product Identification

Product name:	FITC-HES
Chemical name:	Fluorescein isothiocyanate hydroxyethyl starch
Catalogue no.	FHES
CAS no.	N/A
Mol. Formula:	N/A
Description:	A fluorescent derivative of hydroxyethyl starch, supplied as an orange to dark orange powder which is readily soluble in water.
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:	Saccharide derivative
Appearance/odour:	Orange powder, no distinctive odour
Melting point:	Decomposes on heating
Solubility:	Freely soluble in water
Molecular weight:	Approx. 200 000 Da

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.

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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: Orange powder, no distinctive odour
Vapour pressure: N/A
Melting point: Decomposes with charring
Boiling point: N/A
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, protected from light.
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.

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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

Routes of entry:

Inhalation

Eye contact

Skin contact

Ingestion:

Effects of occupational overexposure:

No information on the toxicity after inhalation.

Most dust will produce irritation, inflammation or toxic symptoms on prolonged inhalation.

No information available on eye exposure.

Dermal absorption not known but presumably nil.

No information of toxicity available.

Section 12. Ecological information

No information available.

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.