

Section 1. Product Identification

Product name:	FITC Isomer I
Chemical name:	Fluorescein isothiocyanate isomer I
Synonyms:	2-(6-Hydroxy-3-oxo-3H-xanthen-9-yl)-5 isothiocyanato-benzoic acid
Catalogue no.	FITC
CAS no.	3326-32-7
Mol. Formula:	C ₁₂ H ₁₁ NO ₅ S

Section 2. Hazards Identification

Classification of the substance

Classification according to Regulation (EC) No 1272/2008

H334 Respiratory sensitisation (Category 1)

H317 Skin sensitisation (Category 1)

Label elements

Labelling according to Regulation (EC) No 1272/2008



Pictogram

Signal word

Danger

Hazard statement(s)

H317 May cause an allergic skin reaction.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves.

P284 Wear respiratory protection.

P302 + P352 IF ON SKIN: Wash with plenty of water.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements none

Section 3. Composition/Information on ingredients

Chemical family:	Fluorescent dye
Appearance:	Yellowish orange powder
Odour:	No data available
Melting point:	No data available
Solubility:	soluble in DMSO and DMF
Molecular weight:	389.39

Section 4. First-aid Procedures

General advice:	Immediately remove any clothing contaminated by the product. Move out of dangerous area, show this safety data sheet
Inhalation:	Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and consult a physician
Eyes:	Immediately wash skin with copious amounts of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. If irritation persists, consult a physician
Skin:	Immediately flush skin with running water or at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Consult a physician immediately
Ingestion:	Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

Section 5. Fire-fighting Measures

Extinguishing media:	Use water spray, dry chemical, carbon dioxide or chemical foam
Arising hazards:	Hydrogen chloride, nitrogen oxides, carbon oxides
Special fire-fighting procedures:	Wear self-contained breathing apparatus for firefighting if necessary

Section 6. Accidental Release Measures

Action in event of spill:	Wear protective equipment and keep unprotected personnel away. Ensure adequate ventilation. Remove all sources of ignition. Prevent further leak or spill if safe to do so. Vacuum, sweep up, or absorb with inert material and place into a suitable disposal container. Consult local regulations for disposal
Environmental precautions:	Do not let product enter drains. Discharge into the environment must be avoided

Section 7. Handling and storage

Precautions to be taken when handling: Avoid contact with skin, eyes, and personal clothing. Wash hands thoroughly after handling, avoid breathing fumes. Use only with adequate ventilation. Wear suitable protective clothing, gloves, and eye/face protection. Keep away from sources of ignition. Minimize dust generation and accumulation. Keep container tightly closed. Open and handle container with care. Do not eat, drink, or smoke while handling

Storage conditions: Store at 0-8 °C in a tightly closed container when not in use. Store in cool, dry, well-ventilated area away from incompatible substances. Keep away from sources of ignition

Section 8. Exposure Controls/Personal Protection

Exposure limit: Contains no substances with occupational exposure limit value

Special personal protective equipment: Use impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

Respiratory: Use a dust mask type N95 (US) or Type P1 (EN 143) respirator. Respirators and components must be tested and approved

Eyes: Use safety glasses with side-shields confirming to EN166. Use equipment for eye protection tested and approved

Gloves: Handle with gloves

Section 9. Physical and Chemical Properties

General information

Appearance: Yellowish orange powder

Odour: No data available

Vapour pressure: No data available

Melting point: No data available

Molecular weight: 389.39

Flash point: No data available

Solubility in water: No data available

Section 10. Stability and Reactivity

Stability (normal conditions):	Stable under recommended storage conditions
Hazardous reactions:	No data available
Conditions to avoid:	Heat, flames and sparks
Incompatibility:	Strong oxidizing agents
Hazardous decomposition products:	Carbon monoxide, nitrogen oxides, hydrogen chloride in the event of fire

Section 11. Toxicological information

Toxicity information:	No data available
IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA
Routes of entry:	Effects of occupational overexposure:
Inhalation:	No data available
Eye contact:	No data available
Skin contact:	No data available
Ingestion:	No data available

Section 12. Ecological information

No data available

Section 13. Disposal Recommendations

Offer surplus and non-recyclable chemical to a licensed disposal company. Contact a licensed professional waste disposal service to dispose

Section 14. Transport information

EEC:	Not listed
Dangerous goods:	Not dangerous goods
EINECS:	Not listed

Section 15. Regulatory information

No data available

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.