

Section 1. Product Identification

Product name:	TRITC mixed isomers
Chemical name:	Tetramethylrhodamine isothiocyanate mixed isomers
Synonyms:	5/6-tetramethyl-rhodamine isothiocyanate, mixed isomers
Catalogue no.	TRITC
CAS no.	95197-95-8
EC no.	635-450-2
Mol. Formula:	C ₂₅ H ₂₁ N ₃ O ₃ S

Section 2. Hazards Identification

Classification of the substance	Classification according to Regulation (EC) No 1272/2008 H315 Skin irritation (Category 2) H319 Eye irritation (Category 2) H334 Respiratory sensitisation (Category 1) H317 Skin sensitisation (Category 1) H335 Specific target organ toxicity - single exposure (Category 3), Respiratory system
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Label elements	Labelling according to Regulation (EC) No 1272/2008
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Pictogram
 Signal word Danger

Hazard statement(s)
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H335 May cause respiratory irritation.

Precautionary statement(s)
 P280 Wear protective gloves.
 P302 + P352 IF ON SKIN: Wash with plenty of water.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements none

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Section 3. Composition/Information on ingredients

Chemical family:	Fluorescent dye
Chemical name:	Tetramethylrhodamine isothiocyanate mixed isomers
Synonyms:	5/6-tetramethyl-rhodamine isothiocyanate, mixed isomers
Molecular weight:	443.52 g/mol

Section 4. First-aid Procedures

General advice:	Consult a physician. Show this safety data sheet to the doctor in attendance.
Inhalation:	Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and consult a physician
Eyes:	Immediately rinse with plenty of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. Consult a physician.
Skin:	Immediately wash off with soap and plenty of running water. Wash clothing before reuse. Consult a physician.
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:	Sulphur oxides, 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. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. Remove all sources of ignition. Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
Environmental precautions:	Do not let product enter drains. Discharge into the environment must be avoided

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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. Minimize dust and aerosols generation. 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. Air and moisture sensitive. Light sensitive.

Section 8. Exposure Controls/Personal Protection

Exposure Controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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 respirator type P95 (US) or Type P1 (EN 143) respirator. Respirators and components must be tested and approved.

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

Gloves: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Section 9. Physical and Chemical Properties

General information

Appearance:	Dark violet powder
Odour:	No data available
Vapour pressure:	No data available
pH:	No data available
Melting point:	No data available
Flash point:	No data available
Initial boiling point:	No data available

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Vapour pressure: No data available
Flammability: No data available
Solubility in water: No data available

Section 10. Stability and Reactivity

Reactivity: No data available
Stability (normal conditions): Stable under recommended storage conditions
Hazardous reactions: No data available
Conditions to avoid: No data available
Incompatibility: Strong oxidizing agents
Hazardous decomposition products: Carbon oxides, Nitrogen oxides, Sulphur oxides 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

Germ cell mutagenicity: No data available
Reproductive toxicity: No data available
Inhalation: May cause respiratory irritation
Eye contact: No data available
Skin contact: No data available
Ingestion: No data available

Section 12. Ecological information

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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

Full text of H-Statements referred to under sections 2.

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H335 May cause respiratory irritation.

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.