



Material Safety Data Sheet

Date of Revision: August 1, 1998

Product Identity Information

Product Name: 5-(and-6)-carboxytetramethylrhodamine (5(6)-TAMRA)

Catalog Number: C-300

Unit Size: 100 mg

Molecular Formula: $C_{25}H_{23}ClN_2O_5$

Molecular Weight: 466.92

CAS Number/Name: 98181-63-6 Xanthylium, 9-(2,4(or 2,5)-dicarboxyphenyl)-3,6- bis(dimethylamino)-, inner salt

Physical/Chemical Characteristics

Appearance: Brown Solid

Solubility in Water: Moderate

Physical Hazards

Flash Point: Not determined

Classification: Not determined

Extinguishing Fire: Use carbon dioxide, dry chemical extinguishers or water. An approved self-contained breathing apparatus and protective clothing are recommended.

Reactivity Data and Storage Conditions

Stability: Stable. Not a significant hazard in these quantities.

Storage Conditions: Protect material from light, especially in solution.

Health Hazard Data

Routes of Entry: May enter the body through inhalation, ingestion, and eye and skin contact.

RTECS Number: None known

Exposure Limits: Not determined

Toxicity: We are not aware of any toxicity data for this product.

Health Hazards: We are not aware of any reported health hazards for this product. We recommend treating all chemicals with caution.

- Potential Hazards:** To our knowledge, the health hazards have not been thoroughly investigated.
- Carcinogenicity:** Not listed by NTP, IARC or OSHA.
- Exposure Symptoms:** Unknown. Handle with care.
- First Aid:** Potentially harmful; avoid prolonged or repeated exposure. Wash thoroughly after handling. If eye or skin contact occurs, wash affected areas with water for 15 minutes and seek medical advice. If inhaled, move individual to fresh air and seek medical advice. If swallowed, seek medical advice.

Precautions for Safe Handling and Use/Control Measures

- Ventilation:** Mechanical ventilation and respiratory protection are recommended.
- Handling:** Gloves, protective clothing and eyewear should be worn and safe laboratory practices followed.
- In Case of Spill:** Use appropriate protective equipment and methods to clean up spilled substance promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws.
- Clean-up:** Wash with soap and water.

This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. The above information is correct to the best of our knowledge. Users should make independent decisions regarding completeness of the information based on all sources available. Molecular Probes shall not be held liable for any damage resulting from handling or contact with the above product.

Molecular Probes, Inc.
4849 Pitchford Ave.
Eugene, OR 97402-9165
Phone: (541) 465-8300
Fax: (541) 344-6504

Molecular Probes Europe BV
PoortGebouw, Rijnsburgerweg 10
2333 AA Leiden, The Netherlands
Phone: +31-71-5233378
Fax: +31-71-5233419

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