# **Material Safety Data Sheet (MSDS)**

Revision Number: 2.0		Last updated Jan 17 201
1. Product and Company Ide	ntification_	
Product Name:	5-Tamra, SE; 5-Carboxytetramethyl rhodamine succinimidyl ester	
Manufacturer/Supplier:	AnaSpec, In www.anaspec 34801 Camp Fremont, CA Tel: 510-79 Fax: 510-79 Email: servi	ec.com bus Drive A 94555 1-9560
Catalog Number	81125-01	
Unit Size	100mg	

## 2. Hazards Identification

# Emergency Overview:

Warning: Avoid contact and inhalation. To our knowledge the hazards of this material have not been thoroughly investigated. We recommend handling all chemicals with caution. Use proper protective equipment when handling chemicals.

## GHS Hazard Classification:

GHS Physical Hazards: Irritant

GHS Health and Environmental Hazards: None

GHS Signal Words: Warning

GHS Hazard Statements: H313-H315-H319-H335 May be harmful if swallowed or in contact with skin.

H333, May be harmful if inhaled.

GHS Precautionary Statements: P302+P352+ P304+P340+P305+P332 Material may cause skin irritation. May cause irritation if inhaled or prolonged exposure. Avoid prolonged exposure.

#### HMIS Classification

Health hazard: \* 1

Chronic Health Hazard: \*

Flammability: 0
Physical hazards: 0

# NFPA Rating

Health hazard: 1

Fire: 0

Reactivity Hazard: 0

# 3. Composition / Information on Ingredients

*Ingredients/Components:* 

Chemical Name: 5 - Carboxytetramethylrhodamine, succinimidyl ester; 5 - TAMRA, NHS ester

 $\label{eq:molecular_formula:} Molecular\ Formula:\ C_{29}H_{25}N_3O_7$   $\ Molecular\ Weight:\ 527.53$   $\ CAS-No:\ 150810\text{-}68\text{-}7$ 

EC-No: N/A

# 4. First Aid Measures

Inhalation:	Avoid direct inhalation or prolonged exposure. Move to fresh air		
Ingestion:	May be harmful if ingested. If swallowed, wash out mouth with water provided person is conscious. Call a		
	physician and seek medical advice.		
Skin:	May cause skin irritation. May be harmful if absorbed through skin. In case of contact, immediately wash skin		
	with soap and copious amount of water.		
Eyes:	May cause irritation. In case of contact, immediately flush eyes with copious amounts of water for at 15		
	minutes. Call a physician and seek medical advice.		

Foam Dry chemical powder BCF(where regulation permit)   Carbon dioxide	Exiligationing media.		Water spray or fog	
Dry chemical powder BCF(where regulation permit) Carbon dioxide  Alert Emergency Responders and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water course Use water delivered as a fine spray to control fire and cool adjacent area Cool fire exposed containers with water spray from a protected location If safe to do so, remove containers from path of fire. Equipment should be thoroughly decontaminated after use.  Unusual fire and explosions hazards:  Data not available  6. Accidental Release Measures  Spill response Use personal protective equipment. Soak up with inert absorbent material if spilt. Use personal protective equipment  Soak up with inert absorbent material if spilt. Use personal protective equipment  7. Handling and Storage  Keep in properly labeled containers. Always wear recommended personal protective equipment.  Keep containers tightly closed in a dry and well-ventilated place. Containers that are opened must be carefully resealed an upright. Store in -20°C refrigerator with desiccant away from light.  8. Exposure Controls / Personal Protection  Engineering controls  Use personal protective equipment  PPE Use personal protective equipment  PPE Use personal protective equipment  Soak up with inert absorbent material if spilt.  9. Physical and Chemical Properties  Physical State Odor No information available.  Solubility in Water Slightly soluble in hot H <sub>2</sub> O; DMSO,DMF Specific Gravity No data available.  Boiling Point No data available.  Melting Point No data available.  Melting Point No data available.  Melting Point No data available.				
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	Specific Gravity PH Boiling Point Melting Point Flash Point Vapor Pressure:	No data avai N/A N/A	naore.	
10. Stability and Reactivity       Thermal Decomposition     No data available.	Specific Gravity PH Boiling Point Melting Point Flash Point Vapor Pressure: Vapor Density:	No data avai N/A N/A N/A		

Dangerous Products of Decomposition	No data available.
Dangerous Reactions	COx, NOx when burned

# 11. Toxicological Information

RTECS Number	N/A
Toxicity	No information available.
Health Hazards	No information available.
Potential Hazards	No information available.
Carcinogenicity:	No information available.
OSHA Permissible Exposure Limit(PEL) Data	N/A
ACGIH Threshold Limit Values (TLV)	N/A
Reproductive Toxicity	No information available.

## 12. Ecological Information

No information available. Inherently biodegradable.

#### 13. Disposal Considerations

Prevent product from entering drains. Dispose of in accordance with local regulation. We recommend incineration of unused product.

# 14. Transport Information

UN Number	N/A
Hazard Class	N/A
Identification Number	N/A
Packing Group	N/A
Proper Shipping Name (DOT/IATA)	N/A

## 15. Regulatory Information

**United States:** 

California Proposition 65: This product does not contain chemicals listed under Propostion 65.

US TSCA (Toxic Substance Control Act): N/A

US CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act: N/A

US SARA Title III (Superfund Amendments and Reauthorization Act: N/A

US Clean Air Act:

Listed under Hazardous Air Pollutants: Not listed Listed under Class 1 Ozone Depletors: Not listed Listed under Class 2 Ozone Depletors: Not listed

US Clean Water Act:

Listed under "Hazardous Substances": Not listed Listed under "Priority Pollutants": Not listed

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Listed under "Toxic Pollutants": Not listed

European/International Regulations:

EC EINICS (European Inventory of Existing Commercial Chemical Substances) Number: N/A

WGK (Water Danger / Protection): N/A

Canada – DSL/NDSL: Not listed Canada – WHMIS classification: N/A

Canada - Canadian Ingredient Disclosure List: Not listed

## 16. Other Information

It is not intended for food, drug, household, agricultural or cosmetic use. A technically qualified individual experienced in handling potentially hazardous chemicals must supervise its use. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Users should make independent decisions regarding completeness of the information based on all sources available. AnaSpec shall not be held liable for any damage resulting from handling or from contact with the above product.