

## MATERIAL SAFETY DATA SHEET

### 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**TRADE NAME** 5(6)-CARBOXYTETRAMETHYLRHODAMINE-N-HYDROXYSUCCINIMIDE ESTER

**CAS NUMBER** 246256-50-8

**ROI NUMBER** 1061C

**SYNONYMS** ND

**MANUFACTURER/  
SUPPLIER** Research Organics  
4353 E 49th Street  
Cleveland, Ohio  
44125 USA

### TELEPHONE NUMBERS - 24 HOUR EMERGENCY ASSISTANCE:

INFOTRAC 1-800-535-5053 [USA] or 01-352-323-3500

### TELEPHONE NUMBERS - GENERAL ASSISTANCE - Monday-Friday 8:00 a.m.-4:30 p.m. EST:

Product Information 1-800-321-0570

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### 2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Percentage*	Exposure Limits/Health Hazards
5(6)- CARBOXYTETRAMETHYLRHODAMINE -N-HYDROXYSUCCINIMIDE ESTER	246256-50-8	98 %	No Exposure limits established by OSHA or ACGIH IRRITANT.
		%	Particules Not Otherwise Classified (PNOC) - MAY BE HARMFUL.
		%	TWA Respirable particulate (1995) = 3 mg/m3 (e)
		%	TWA Inhalable particulate (1989) = 10 mg/m3 (e)

\*Values do not reflect absolute minimums and maximums; those values may vary from time to time.

### 3 HAZARDS IDENTIFICATION

#### Emergency Overview

CAUTION! May be harmful. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

IRRITANT - IRRITATING TO THE SKIN, EYES, AND UPPER RESPIRATORY TRACT.

EXERCISE DUE CARE.

#### Potential Health Effects Skin

IRRITANT.

This material will cause skin irritation, resulting in reddening, itching, and inflammation.  
MAY BE HARMFUL IN CONTACT WITH SKIN.

#### Potential Health Effect Eyes

IRRITANT

This material can cause eye irritation. Redness, tearing, and blurred vision may result. May be harmful in contact with eyes.

MAY BE HARMFUL IN CONTACT WITH EYES.

#### **Potential Health Effects Inhalation**

IRRITANT- May cause irritation to the respiratory tract.

This material may cause injury or illness if inhaled.

#### **Potential Health Effect Ingestion**

IRRITANT - If ingested, this material may cause irritation to the mouth, throat and gastrointestinal tract.

May be harmful if swallowed.

#### **Special Toxic Effects**

CAUTION! THE TOXICOLOGICAL PROPERTIES OF THIS MATERIAL HAVE NOT BEEN FULLY INVESTIGATED.

Information cited for this information is based on a similar compound.

#### **Target Organs**

ND

### **4 FIRST AID MEASURES**

#### **Skin**

Immediately flush skin with plenty of water, for at least 15 minutes, while removing contaminated clothing and shoes. Contaminated clothing must be laundered before reuse. Get medical attention if irritation develops or persists.

#### **Eyes**

Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing.

Get medical attention if irritation persists.

#### **Inhalation**

Safely remove victim to fresh air. If not breathing, institute cardiopulmonary resuscitation (CPR). If breathing is difficult, ensure clear airway and give oxygen.

Get medical attention.

#### **Ingestion**

If swallowed, wash out mouth with water provided person is conscious.

Never give anything by mouth to an unconscious person.

Get medical attention.

### **5 FIRE FIGHTING MEASURES**

#### **Hazardous Combustion Products**

MAY EMIT TOXIC FUMES UNDER FIRE CONDITIONS.

#### **Extinguishing Media**

Use a water spray, dry chemical, alcohol foam, all purpose foam or carbon dioxide to extinguish fire.

#### **Basic Fire Fighting Procedure**

As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear. Evacuate the area and fight fire from a safe distance.

#### **Unusual Fire and Explosion Hazards**

Irritating and toxic substances may be emitted upon thermal decomposition.

**Flash Point Temperature** ND (Solid)

**Autoignition Temperature** ND

**Flammability Limits in Air Lower** ND

## 6 ACCIDENTAL RELEASE MEASURES

### Emergency Action

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind. (See Personal Protection Information Section.)

### Environmental Precautions

Isolate hazard area and deny entry. Keep unnecessary people away. Take immediate steps to stop and contain the spill. Caution should be exercised regarding personnel safety and exposure to the spilled material.

### Spill or Leak Procedure

Vacuum or sweep up material and place in a disposal container. Clean up spills immediately under qualified supervision observing precautions in Protective Equipment section. Avoid clean up procedures that generate dust or result in water pollution.

### Spill or Leak Procedure

After removal, scrub the contaminated area with detergent and flush thoroughly with water. Absorb wash liquid and place in the disposable container. Do not flush to sewer. Avoid runoff into storm sewers and ditches which lead to waterways.

## 7 HANDLING AND STORAGE

### Handling

DO NOT GET IN EYES, ON SKIN OR CLOTHING.

Wash hands thoroughly before eating, drinking or smoking.

### Storage

Store in freezer.

Use desiccant. Protect from light.

Keep containers tightly closed and upright when not in use.

### Storage Hazards

None known to manufacturer.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### Engineering Controls

Local exhaust ventilation, process enclosures, and other forms of engineering controls are the preferred means for controlling exposures.

Facilities using or storing this material must be equipped with an eyewash station and safety shower.

### Eye Protection PPE

Do not wear contact lenses when working with this substance.

Avoid eye contact with this material. Wear chemical safety glasses or goggles.

### Skin Protection PPE

Wash contaminated clothing separately.

Showering and changing into street clothing after work is recommended.

If skin contact is anticipated, protective clothing, including impervious gloves, should be worn.

### Respiratory Protection PPE

Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstance where air purifying respirators may not provide adequate protection.

A NIOSH/MSHA approved air purifying respirator is recommended where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

POWDER

### Boiling Point

ND

<b>Melting Point</b>	ND
<b>Freezing Point</b>	ND
<b>Vapor Density</b>	ND
<b>Vapor Pressure</b>	ND
<b>Specific Gravity</b>	ND
<b>Molecular Formula</b>	C29H25N3O7
<b>Molecular Weight</b>	527.5
<b>pH</b>	ND

## 10 STABILITY / REACTIVITY

### Stability/Incompatibility

Stable under normal conditions of use.

### Decomposition Products

MAY EMIT TOXIC FUMES UNDER FIRE CONDITIONS.

### Hazardous Polymerization

Will not occur.

## 11 TOXICOLOGICAL INFORMATION

CAUTION! THE TOXICOLOGICAL PROPERTIES OF THIS MATERIAL HAVE NOT BEEN FULLY INVESTIGATED. FOLLOW GOOD LABORATORY PRACTICES WHEN HANDLING. ALWAYS FOLLOW SAFE INDUSTRIAL HYGIENE PRACTICES AND WEAR PROPER PERSONAL PROTECTIVE EQUIPMENT WHEN HANDLING CHEMICALS.

### Routes of Exposure

Inhalation, ingestion, skin and eye contact.

### LD50

REGISTRY OF THE TOXIC EFFECTS OF CHEMICAL SUBSTANCES(RTECS)

RTECS # Not Listed.

NO ORAL LD50 IN RATS INFORMATION IS AVAILABLE.

### Carcinogenicity

NOT LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN

## 12 ECOLOGICAL INFORMATION

### EcoToxicological Information

DATA NOT YET AVAILABLE.

### Chemical Fate Information

DATA NOT YET AVAILABLE.

## 13 DISPOSAL CONSIDERATIONS

### Waste Disposal

Check state and local regulations for any additional requirements as these may be more restrictive than federal laws and regulations. Disposal of this product can occur only in properly permitted facilities.

Dissolve or Mix the Material with a Combustible Solvent and Burn in a Chemical Incinerator Equipped with an Afterburner and Scrubber.

Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

## 14 TRANSPORTATION INFORMATION

### Department of Transportation (DOT) Requirements

**Proper Shipping Name** CHEMICALS, N.O.S.  
**Hazard Class** NA (SOLID) **UN/NA Code** NA  
**Packaging Group** NA  
**Reportable Quantity** NONE  
**Labels Required** NONE  
**Marine Pollutant (49 CFR 172.101 Appendix B)** NO

## 15 REGULATORY INFORMATION

### Federal Regulations

This product is NOT on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 40 CFR 720.36 (C) for those products NOT on the inventory list: (i) This product is supplied solely for use in Research and Development by

or under the supervision of a technically qualified individual as defined by 40 CFR 720.0 et.sec.

(ii) The health risks of this product have not fully been determined. Any information that is or becomes available will be supplied on a Material Safety

Data Sheet. Uses other than for Research and Development may constitute a violation of TSCA.

### State Regulations

Based on available information this material does not contain any components or chemicals currently known to the State of California to cause cancer, birth defects or reproductive harm at levels which would be subject to Proposition 65.

Reformulation, use or processing of this product may affect its composition and would require re-evaluation

### International Regulations

ND

### International Phrases

R -

S -

EINECS - ND

### SARA TITLE III RATINGS

<b>Immediate Hazard</b>	<b>Delayed Hazard</b>	<b>Fire Hazard</b>	<b>Pressure Hazard</b>	<b>Reactivity Hazard</b>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Section 313 Supplier Notification:*

If this box is checked, this product contains EPCRA 313 chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). If you are unsure whether you are subject to reporting requirements or need more information, call EPA's EPCRA Call Center at (800) 424-9346 or (703) 412-9810.

### NFPA(R) Ratings

Health	Flammability	Reactivity	Special Hazards
-	-	-	-

### HMIS(R) RATINGS

Health	Flammability	Physical Hazard	Personal Protection Equipment
1	0	0	E

NFPA is a registered trademark of National Fire Protection Association. HMIS is a registered trademark of National Paint and Coating Association.

## 16 OTHER INFORMATION

### Disclaimer

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