

# SAFETY DATA SHEET

Creation Date 15-Mar-2017

Revision Date 29-Jan-2018

**Revision Number** 2

### 1. Identification

**Product Name** 

### AC462820000; AC462820010

CAS-No Synonyms

Cat No. :

55297-96-6 No information available

**Tiamulin fumarate** 

Recommended Use Uses advised against Laboratory chemicals. Not for food, drug, pesticide or biocidal product use

#### Details of the supplier of the safety data sheet

#### **Company**

Fisher Scientific One Reagent Lane Fair Lawn, NJ 07410 Tel: (201) 796-7100 Acros Organics One Reagent Lane Fair Lawn, NJ 07410

#### **Emergency Telephone Number**

For information **US** call: 001-800-ACROS-01 / **Europe** call: +32 14 57 52 11 Emergency Number **US**:001-201-796-7100 / **Europe:** +32 14 57 52 99 **CHEMTREC** Tel. No.**US**:001-800-424-9300 / **Europe:**001-703-527-3887

2. Hazard(s) identification

#### **Classification**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute oral toxicity

Category 4

#### Label Elements

Signal Word Warning

Hazard Statements Harmful if swallowed



Precautionary Statements Prevention Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Ingestion IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth Disposal Dispose of contents/container to an approved waste disposal plant Hazards not otherwise classified (HNOC) None identified

# 3. Composition/Information on Ingredients

Component	CAS-No	Weight %
Acetic acid, [[2-(diethylamino)ethyl]thio]-,	55297-96-6	>95
6-ethenyldecahydro-5-hydroxy-4,6,9,10-tetramethyl		
-1-oxo-3a,9-propano-3ah-cyclopentacycloocten-8-yl		
ester,		
[3aS-(3a.alpha.,4.beta.,5.alpha.,6.alpha.,8.beta.		

	4. First-aid measures
General Advice	If symptoms persist, call a physician.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
Inhalation	Move to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.
Most important symptoms and effects	None reasonably foreseeable.
Notes to Physician	Treat symptomatically
	5. Fire-fighting measures
Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media	No information available
Flash Point	> 110 °C / > 230 °F
Method -	No information available
Autoignition Temperature	No information available
Explosion Limits Upper Lower Sensitivity to Mechanical Impact Sensitivity to Static Discharge	No data available No data available No information available No information available

## **Specific Hazards Arising from the Chemical**

Keep product and empty container away from heat and sources of ignition.

#### **Hazardous Combustion Products**

Carbon monoxide (CO) Carbon dioxide (CO2) Nitrogen oxides (NOx) Sulfur oxides

Protective Equipment and Precautions for Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

<u>NFPA</u> Health 1	Flammability 1	<b>Instability</b> 0	Physical hazards N/A
	6. Accidental re	elease measures	
Personal Precautions Environmental Precautions	Ensure adequate ventilati Should not be released in	on. Use personal protective equi to the environment.	pment. Avoid dust formation.
Methods for Containment and Cle Up	ean Sweep up or vacuum up s suitable, closed container		ntainer for disposal. Keep in
	7. Handling	and storage	
Handling		equipment. Ensure adequate ve ingestion and inhalation. Avoid	
Storage	Keep container tightly close Keep refrigerated.	sed in a dry and well-ventilated p	lace. To maintain product quality;
8.	Exposure controls	/ personal protectio	n
Exposure Guidelines		ntain any hazardous materials wite agion specific regulatory bodies.	h occupational exposure
Engineering Measures	Ensure adequate ventilati	on, especially in confined areas.	
Personal Protective Equipment			
Eye/face Protection		ve eyeglasses or chemical safety tection regulations in 29 CFR 19	
Skin and body protection	Long sleeved clothing.		
Respiratory Protection	EN 149. Use a NIOSH/MS	or regulations found in 29 CFR 1 SHA or European Standard EN 1 ded or if irritation or other sympto	49 approved respirator if
Hygiene Measures	Handle in accordance with	h good industrial hygiene and sa	fety practice.
		nomical proportion	

C	P. Physical and chemical properties
Physical State	Solid
Appearance	White to off-white
Odor	No information available
Odor Threshold	No information available
рН	No information available
Melting Point/Range	147 - 148 °C / 296.6 - 298.4 °F
Boiling Point/Range	563 °C / 1045.4 °F
Flash Point	> 110 °C / > 230 °F
Evaporation Rate	Not applicable
Flammability (solid,gas)	No information available
Flammability or explosive limits	
Upper	No data available

Lower Vapor Pressure Vapor Density Specific Gravity Solubility Partition coefficient; n-octanol/water Autoignition Temperature Decomposition Temperature Viscosity Molecular Formula Molecular Weight No data available No information available Not applicable No information available No information available No data available No information available No information available Not applicable C28 H47 N O4 S . C4 H4 O4 609.82

## 10. Stability and reactivity

Reactive Hazard	None known, based on information available	
Stability	No information available.	
Conditions to Avoid	Incompatible products.	
Incompatible Materials	Oxidizing agents	
Hazardous Decomposition Products	Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> ), Nitrogen oxides (NOx), Sulfur oxides	
Hazardous Polymerization	Hazardous polymerization does not occur.	
Hazardous Reactions	None under normal processing.	

11. Toxicological information

#### Acute Toxicity

# Product Information

LD50 Oral	LD50 Dermal	LC50 Inhalation		
841 mg/kg (Mouse)	Not listed	Not listed		

Toxicologically Synergistic Products No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Irritation

No information available

#### Sensitization

No information available

#### Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
Acetic acid,	55297-96-6	Not listed				
[[2-(diethylamino)ethyl]						
thio]-,						
6-ethenyldecahydro-5-						
hydroxy-4,6,9,10-tetra						
methyl-1-oxo-3a,9-pro						
pano-3ah-cyclopentac						
ycloocten-8-yl ester,						

[3aS-(3a.alpha.,4.beta. ,5.alpha.,6.alpha.,8.bet a.							
Mutagenic Effects		No information ava	ailable		•		
Reproductive Effects		No information available.					
Developmental Effect	ts	No information ava	ailable.				
Teratogenicity		No information ava	ailable.				
STOT - single exposu STOT - repeated expo		None known None known					
Aspiration hazard		No information ava	ailable				
Symptoms / effects,t delayed	ooth acute and	No information ava	ailable				
Endocrine Disruptor	Information	No information ava	ailable				
Other Adverse Effect	s	The toxicological p	properties have not	been fully investig	gated.		
		12. Ecol	ogical infor	mation			
Ecotoxicity Do not empty into drair	าร						
	10.						
Persistence and Deg		No information ava	ailable				
	radability	No information ava					
Persistence and Deg	radability		ailable.				
Persistence and Degr Bioaccumulation/ Act	radability	No information ava	ailable.	erations			
Persistence and Degr Bioaccumulation/ Act	radability cumulation	No information ava No information ava <u>13. Dispo</u> Chemical waste ge hazardous waste.	ailable. ailable.	ermine whether a enerators must als	so consult local, re	gional, and	
Persistence and Degr Bioaccumulation/ Ac Mobility	radability cumulation	No information ava No information ava 13. Dispo Chemical waste ge hazardous waste. national hazardous 14. Tran	ailable. ailable. <u>Sal conside</u> enerators must det Chemical waste g	ermine whether a enerators must als s to ensure comple	so consult local, re	gional, and	
Persistence and Degr Bioaccumulation/ Act Mobility	radability cumulation	No information ava No information ava <u>13. Dispo</u> Chemical waste gu hazardous waste. national hazardous	ailable. ailable. DSAL CONSIDE enerators must det Chemical waste g s waste regulations	ermine whether a enerators must als s to ensure comple	so consult local, re	gional, and	

15. Regulatory information

## All of the components in the product are on the following Inventory lists: X = listed

#### International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
Acetic acid,	-	-	-	259-581-6	-		Х	-	-	Х	Х
[[2-(diethylamino)ethyl]thio]-,											
6-ethenyldecahydro-5-hydrox											
y-4,6,9,10-tetramethyl-1-oxo-											
3a,9-propano-3ah-cyclopenta											
cycloocten-8-yl ester,											
[3aS-(3a.alpha.,4.beta.,5.alph											
a.,6.alpha.,8.beta.											

Legend: X - Listed

E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.

F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.

N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.

P - Indicates a commenced PMN substance

R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.

S - Indicates a substance that is identified in a proposed or final Significant New Use Rule

T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.

XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B).

Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.

Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b)	Not applicable
SARA 313	Not applicable
SARA 311/312 Hazard Categories	See section 2 for more information
CWA (Clean Water Act)	Not applicable
Clean Air Act	Not applicable
<b>OSHA</b> Occupational Safety and Health Not applicable	Administration
CERCLA	Not applicable
California Proposition 65	This product does not contain any Proposition 65 chemicals
U.S. State Right-to-Know Regulations	Not applicable

#### **U.S. Department of Transportation**

Reportable Quantity (RQ):	Ν
DOT Marine Pollutant	Ν
DOT Severe Marine Pollutant	Ν

#### U.S. Department of Homeland Security

This product does not contain any DHS chemicals.

#### Other International Regulations

Mexico - Grade

No information available

	16. Other information
Prepared By	Regulatory Affairs
	Thermo Fisher Scientific
	Email: EMSDS.RA@thermofisher.com
Creation Date	15-Mar-2017
Revision Date	29-Jan-2018
Print Date	29-Jan-2018
Revision Summary	Not applicable.
Disclaimer	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

# **End of SDS**