

Safety Data Sheet 6166125 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 08/09/2019 Version: 1.0

SECTION 1: Identification			
1.1. Identification Product form :	Substance		
Substance name : CAS No :	Diethyl thioglycolate 925-47-3		
	925-47-3 6166-1-25		
Product code : Formula :	C8H14O4S		
		Ifanullapotata: 2 Thiadutaria agid diathul agtar: Dia	thul 0.0
Synonyms :	thiodiacetate	lfanyl]acetate; 3-Thiaglutaric acid diethyl ester; Die	etriyi 2,2-
Other means of identification :	MFCD00087932		
1.2. Relevant identified uses of the substat	nee or mixture and uses advise	dogoinet	
	Laboratory chemicals	u against	
Use of the substance/mixture .	Manufacture of substances		
	Scientific research and develop	nent	
1.3. Details of the supplier of the safety da	ta sheet		
SynQuest Laboratories, Inc.			
P.O. Box 309			
Alachua, FL 32615 - United States of America			
T (386) 462-0788 - F (386) 462-7097 info@synguestlabs.com - www.synguestlabs.com			
1.4. Emergency telephone number			
	(844) 523-4086 (3E Company -	Account 10069)	
SECTION 2: Hazard(s) identification			
2.1. Classification of the substance or mix	ture		
Classification (GHS-US)			
Skin Irrit. 2 H315 - Causes skin irritation			
Eye Irrit. 2A H319 - Causes serious eye irritation			
STOT SE 3 H335 - May cause respiratory irritat	tion		
Full text of H-phrases: see section 16			
2.2. Label elements			
GHS-US labeling			
Hazard pictograms (GHS-US) :	^		
	•		
	\mathbf{v}		
	GHS07		
• • •	Warning		
Hazard statements (GHS-US) :	H315 - Causes skin irritation	tion	
	H319 - Causes serious eye irrit H335 - May cause respiratory ir		
Precautionary statements (GHS-US) :	P261 - Avoid breathing fumes,		
	P264 - Wash skin thoroughly af		
	P271 - Use only outdoors or in		
	P280 - Wear protective gloves/ P302+P352 - If on skin: Wash v	rotective clothing/eye protection/face protection	
		e person to fresh air and keep comfortable for brea	thing
	P305+P351+P338 - If in eyes: I	inse cautiously with water for several minutes. Rer	
	lenses, if present and easy to d		
		t or doctor/physician if you feel unwell upplemental first aid instructions on this label)	
		curs: Get medical advice/attention	
		sists: Get medical advice/attention	
		ated clothing and wash it before reuse ntilated place. Keep container tightly closed	
	P405 - Store locked up	anatoa place. Neep container lightly closed	
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P501 - Dispose of contents/container to an approved waste disposal plant

		1 301		proved waste u	
2.3.	Other hazards				
	litional information available				
2.4.	Unknown acute toxicity (GHS US)				
	plicable	_			
	ION 3: Composition/informatio	n on ir	gredients		
3.1.	Substance				
Substa	nce type	: Mono	o-constituent		
Name	9		Product identifier	%	Classification (GHS-US)
	I thioglycolate constituent)		(CAS No) 925-47-3	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full tex	tt of H-phrases: see section 16				
3.2.	Mixture				
	plicable				
SECT	ION 4: First aid measures				
4.1.	Description of first aid measures				
irst-ai	d measures general	wher	se of accident or if you feel unwell, seek e possible). Move the affected personnel	away from the	contaminated area.
irst-ai	d measures after inhalation		ove person to fresh air and keep comfort ration. Get medical advice/attention.	able for breathir	ng. If not breathing, give artificial
First-ai	d measures after skin contact	: Was	h with plenty of soap and water. Get med	lical advice/atter	ntion.
-irst-ai	d measures after eye contact		ediately flush eyes thoroughly with water ent and easy to do. Continue rinsing. Get		
irst-ai	d measures after ingestion	d measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.			
1.2.	Most important symptoms and effect	ts, both	acute and delayed		
Sympto	oms/injuries		most important known symptoms and effe and/or in section 11.	ects are describ	ed in the labelling (see section
4.3.	Indication of any immediate medica	attentic	on and special treatment needed		
Treat s	ymptomatically.				
SECT	ION 5: Firefighting measures				
5.1.	Extinguishing media				
	e extinguishing media	: Alcol	nol resistant foam. Carbon dioxide. Dry p	owder. Water sp	oray. Use extinguishing media
		appro	opriate for surrounding fire.		, , ,
5.2.	Special hazards arising from the su	ostance	or mixture		
-ire ha	zard	: Ther	mal decomposition generates: Carbon ox	kides. Sulfur oxid	des.
Explosi	ion hazard		of explosion if heated under confinement ainers.	t. Use water spra	ay or fog for cooling exposed
5.3.	Advice for firefighters				
Firefigh	nting instructions	: In ca	se of fire: Evacuate area. Fight fire remo	tely due to the ri	sk of explosion.
Protect	ion during firefighting		r gas tight chemically protective clothing i ratus. For further information refer to sec		
	ION 6: Accidental release meas				
6.1.	Personal precautions, protective eq				the Densities of
enera	al measures		uate unnecessary personnel. Ensure ade r or spray.	equate air ventila	ation. Do not breathe gas, fumes,
6.1.1.	For non-emergency personnel				
Emerge	ency procedures	: Only	qualified personnel equipped with suitab	le protective equ	uipment may intervene.
6.1.2.	For emergency responders				
	ive equipment		ot attempt to take action without suitable to section 8: "Exposure controls/persona		oment. For further information
			•		
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Emerge	ency procedures	Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or b evel.	elow ground
6.2.	Environmental precautions		

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containing	Methods and material for containment and cleaning up		
For containment	: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.		
Methods for cleaning up	Take up large spills with pump or vacuum and finish with dry chemical absorbent. Use explosion-proof equipment. Take up small spills with dry chemical absorbent. Sweep or shovel spills into appropriate container for disposal. Ventilate area.		
Other information	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".		
6.4. Reference to other sections			
No additional information available			

SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Precautions for safe handling	: Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe fumes, mist, spray, vapors. Wear personal protective equipment. Avoid contact with skin and eyes.	
Hygiene measures	: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.	
7.2. Conditions for safe storage, includir	ng any incompatibilities	
Technical measures	: Comply with applicable regulations.	
Storage conditions	: Keep container closed when not in use.	
Incompatible materials	: Refer to Section 10 on Incompatible Materials.	
Storage area	: Store in dry, cool, well-ventilated area.	

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls	
Appropriate engineering controls	: Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Hand protection	: Protective gloves. 29 CFR 1910.138: Hand Protection.
Eye protection	: Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.
Other information	: Safety shoes. 29 CFR 1910.136: Foot Protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical an	d chemical properties
Physical state	: Liquid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 252 - 253 °C
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available

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Oxidizing properties	: No data available		
Vapor pressure	: No data available		
Relative density	: No data available		
Relative vapor density at 20 °C	: No data available		
Specific gravity / density	: 1.146 g/ml (@ 25 °C)		
Molecular mass	: 206.259 g/mol		
Solubility	: No data available		
Log Pow	: No data available		
Auto-ignition temperature	: No data available		
Decomposition temperature	: No data available		
Viscosity	: No data available		
Viscosity, kinematic	: No data available		
Viscosity, dynamic	: No data available		
9.2. Other information			
Refractive index	: 1.467 (@ 20 °C)		
SECTION 10: Stability and reacti			
10.1. Reactivity No additional information available			
10.2. Chemical stability			
The product is stable at normal handling an	id storage conditions.		
10.3. Possibility of hazardous reactions			
No additional information available			

10.4. Conditions to avoid

Keep away from heat, sparks and flame.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.

SECTION 11: Toxicological information 11.1 Information on toxicological effects Acute toxicity : Not classified Skin corrosion/irritation : Causes skin irritation. Serious eye damage/irritation : Causes serious eye irritation. Respiratory or skin sensitization : Not classified Germ cell mutagenicity : Not classified Carcinogenicity : Not classified

Reproductive toxicity: Not classifiedSpecific target organ toxicity (single exposure): May cause respiratory irritation.

Specific target organ toxicity (repeated : Not classified

SECTION 12: Ecological information 12.1. Toxicity No additional information available 12.2. Persistence and degradability No additional information available

exposure)

Aspiration hazard

: Not classified

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12.3.	Bioaccumulative potential			
No addi	tional information available			
12.4.	Mobility in soil			
No addi	itional information available			
12.5.	Other adverse effects			
No addi	tional information available			

SECTION 13: Disposal considerations

Waste treatment methods 13.1.

Waste treatment methods

Waste disposal recommendations Additional information

: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber. : Dispose of contents/container in accordance with licensed collector's sorting instructions.

- : Recycle the material as far as possible.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT Not regulated for transport

TDG

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

Diethyl thioglycolate	CAS No 925-47-3	100%

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations	
Diethyl thioglycolate (925-47-3)	
Listed on the TCSI (Taiwan Chemical Substance Inventory)	

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

SECTION 16: Other information

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Full text of H-phrases:	
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
NFPA health hazard	2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
NFPA fire hazard	: 1 - Must be preheated before ignition can occur.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
SDS US (GHS HazCom 2012)	

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 offered solely for your consideration, investigation, and verification. It does not represent any guarantee of the properties of the product nor that the hazard precautions or procedures described are the only ones which exist. SynQuest shall not be held liable or any damage resulting from handling or from contact with the above product.