

Safety Data Sheet 4348104 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 11/13/2018 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: C16 Ceramide
CAS No	: 24696-26-2
Product code	: 4348-1-04
Formula	: C34H67NO3
Synonyms	: N-Palmitoyl-D-erythro-sphingosine; N-Hexadecanoyl-D-erythro-sphingosine; Palmitoyl ceramide
Other means of identification	: MFCD00871748
1.2. Relevant identified uses of the su	ibstance or mixture and uses advised against
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development
1.3. Details of the supplier of the safe	ty data sheet
SynQuest Laboratories, Inc.	
P.O. Box 309	
Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097	1
info@synquestlabs.com - www.synquestlabs.c	com
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
Emergency number	. (044) 525-4000 (SE Company - Account 10009)
SECTION 2: Hazard(s) identificatio	n
2.1. Classification of the substance of	
Classification (GHS-US)	
Skin Irrit. 2 H315 - Causes skin irritation	
Eye Irrit. 2A H319 - Causes serious eye irr	Itation
Full text of H-phrases: see section 16	
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	
	GHS07
Signal word (GHS-US)	: Warning
Hazard statements (GHS-US)	: H315 - Causes skin irritation
	H319 - Causes serious eye irritation
Precautionary statements (GHS-US)	 H319 - Causes serious eye irritation P264 - Wash skin thoroughly after handling P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+P352 - If on skin: Wash with plenty of soap and water P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P321 - Specific treatment (see supplemental first aid instructions on this label) P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse
	 P264 - Wash skin thoroughly after handling P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+P352 - If on skin: Wash with plenty of soap and water P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P321 - Specific treatment (see supplemental first aid instructions on this label) P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention
2.3. Other hazards	 P264 - Wash skin thoroughly after handling P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+P352 - If on skin: Wash with plenty of soap and water P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P321 - Specific treatment (see supplemental first aid instructions on this label) P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention
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Not applicable

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ECTION 3: Composition/information 1. Substance				
Substance type	: Mono	-constituent		
Name		Product identifier	%	Classification (GHS-US)
C16 Ceramide		(CAS No) 24696-26-2	7 0 <= 100	Skin Irrit. 2, H315
(Main constituent)				Eye Irrit. 2A, H319
Full text of H-phrases: see section 16				
3.2. Mixture				
Not applicable				
SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures general	where	se of accident or if you feel unwell, seek is possible). Move the affected personnel	away from the o	contaminated area.
First-aid measures after inhalation	respir	ove person to fresh air and keep comforta ration. Get medical advice/attention.		
First-aid measures after skin contact		with plenty of soap and water. Get med		
First-aid measures after eye contact	prese	diately flush eyes thoroughly with water is and easy to do. Continue rinsing. Get	medical advice/	attention.
First-aid measures after ingestion		OT induce vomiting. Never give anything n out with water. Get medical advice/atte		unconscious person. Rinse
4.2. Most important symptoms and effe				
Symptoms/injuries		nost important known symptoms and effe ind/or in section 11.	ects are describe	ed in the labelling (see section
4.3. Indication of any immediate medica	al attentio	n and special treatment needed		
Treat symptomatically.				
-				
SECTION 5: Firefighting measures				
5.1. Extinguishing media		ol resistant foam. Carbon dioxide. Dry po priate for surrounding fire.	owder. Water sp	ray. Use extinguishing media
5.1. Extinguishing media Suitable extinguishing media	appro	priate for surrounding fire.	owder. Water sp	ray. Use extinguishing media
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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 dust, mist, spray. 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, includ	ing any incompatibilities		
Technical measures	: Comply with applicable regulations.		
Storage conditions	: Keep container closed when not in use. Air sensitive. Keep contents under inert gas. Hygroscopic.		
Incompatible materials	: Refer to Section 10 on Incompatible Materials.		
Storage temperature	: -2510 °C Use explosion proof freezer		
Storage area	: Store in dry, 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	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
PH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
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
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Molecular mass	: 537.9007 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

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Viscosi	ity, kinematic	: No data available
Viscosi	ity, dynamic	: No data available
9.2.	Other information	
No add	ditional information available	
SECT	FION 10: Stability and re	activity
10.1.	Reactivity	
No add	ditional information available	
10.2.	Chemical stability	
The pro	oduct is stable at normal handlir	ng and storage conditions.
10.3.	Possibility of hazardous re	actions
No add	ditional information available	
10.4.	Conditions to avoid	
Keep a	away from heat, sparks and flam	e.
10.5.	Incompatible materials	
Strong	oxidizing agents.	
10.6.	Hazardous decomposition	products
	normal conditions of storage an e Section 5.	d use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of
SECT	FION 11: Toxicological in	nformation
11.1.	Information on toxicologic	al effects

Acute toxicity	: Not classified
Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity	 Causes skin irritation. Causes serious eye irritation. Not classified Not classified Not classified
Carcinogenicity Reproductive toxicity Specific target organ toxicity (single exposure)	: Not classified : Not classified : Not classified
,	: Not classified : Not classified
exposure) Aspiration hazard	: Not classified

SECTI	ON 12: Ecological information
12.1.	Toxicity
No addit	onal information available
12.2.	Persistence and degradability
No addit	onal information available
12.3.	Bioaccumulative potential
No addit	onal information available
12.4.	Mobility in soil
No addit	onal information available
12.5.	Other adverse effects
No addit	onal information available

SECTION 13: Disposal considerations			
13.1.	Waste treatment methods		
Waste tr	eatment methods	: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.	

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Waste disposal recommendations

Additional information

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:

C16 Ceramide	CAS No 24696-26-2	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

C16 Ceramide (24696-26-2) 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

Full text of H-phrases:

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
H315	Causes skin irritation
H319	Causes serious eye irritation

NFPA health hazard

NFPA fire hazard NFPA reactivity

: 0 - Materials that will not burn.

injury even if no treatment is given.

: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

: 1 - Exposure could cause irritation but only minor residual



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HMIS III Rating	
Health	: 1 Slight Hazard - Irritation or minor reversible injury possible
Flammability	: 0 Minimal Hazard - Materials that will not burn
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.