DOJINDO Laboratories

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Safety Data Sheet (SDS) This product is a chemical substance and is intended to be used by persons having chemical knowledge and skill, at their own discretion and risk.

Revision Date: Aug. 10, 2017

Secti	ion1. PRODUCT AND C	OMPANY IDENTIFICATION				
1.1	Product identifier					
	Product Name:	$Hydroxy-EG_3$ -hexadecanethiol				
	Product Code:	H395				
	CAS Number	1198281-45-6				
	EC Number:	· ·				
1.2	Details of the supplier of the safety data sheet					
	Company:	Dojindo Laboratories				
	Address:	Tabaru 2025-5 Mashiki-machi, Kamimashiki-gun, Kumamoto 861-2202,				
		Japan				
	Telephone:	+81-96-286-1515				
	Fax:	+81-96-286-1525				
4.0	Emergency phone numb	er: +81-96-286-1515				
1.3	Product use					
	For research use only.					
Secti	ion2. HAZARDS IDENTI	FICATION				
2.1	Classification of the su					
		to Regulation (EC) No 1272/2008.[EU-GHS/CLP]				
	Not a hazardous subs	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008				
2.2	Label elements					
2.2		gulation (EC) No 1272/2008 [EU-GHS/CLP]				
	Pictogram:	None				
	r lotogram.					
	Signal word:	None				
	Hazard statement(s):	None				
	Precautionary statement	(s): None				
2.3	Other hazards					
2.0	None known.					
Secti	ion3. COMPOSITION/INI	FORMATION ON INGREDIENTS				
3.1	Product Name:	Hydroxy-EG ₃ -hexadecanethiol				
	Synonyms:	16-Mercaptohexadecanol triethyleneglycol ether				
	Concentration:	≦100 %				
	Formula:	$C_{22}H_{46}O_4S$				
	Molecular Weight:	406.66				
Cast						
4.1	ion4. FIRST AID MEASU Description of first aid					
7.1	If inhaled:	If breathed in, move into fresh air. Seek medical advice if discomfort				
		occurs. If not breathing, give artificial respiration. Call a physician.				
	If swallowed:	Do not induce vomiting. Wash out mouth with water. Never give				
		anything by mouth to an unconscious person. Seek medical attention.				
	In case of skin contact:	Wash off with plenty of water. Remove contaminated clothing and				
		launder before reuse.				
	In case of eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Seek				
		medical attention if irritation occurs.				
4.2	Most important sympto No information availab	oms and effects, both acute and delayed ble.				
4.3	Indication of any imme	diate medical attention and special treatment needed				

Indication of any immediate medical attention and special treatment needed ŧ.3 No information available.

Section5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

- Use extinguishing media appropriate for the surrounding fire.
- 5.2 Special hazards arising from the substance or mixture
- May emit toxic fumes under fire conditions. 5.3 Special protective equipment for firefighters

Wear self-contained breathing apparatus and full protective clothing if necessary.

Section6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Avoid formation of dust. Avoid breathing dust, vapors, mist or gas. Avoid contact with skin and clothing.

6.2 Environmental precautions

Prevent further leakage. Prevent contamination of drains with product.

6.3 Methods and materials for containment and cleaning up

Pick up and collect product in suitable container for disposal.

Section7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust. Avoid breathing dust, vapors, mist or gas. Wear appropriate protective personal equipment. Use only with adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities Keep tightly closed. Packed under Nitrogen gas. Store in a deep freeze at -20°C, dark and dry place.

Section8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

8.2

Contains no substances with occupational exposure limit values.

Exposure controls

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Wash hands, forearms and face after handing.

Personal protective equipment

· · · · · · · · · · · · · · · · · · ·	
Eye/face protection:	Wear safety glasses with side-shields conforming to European Standard
	EN166.
Hand protection:	Wear protective gloves conforming to EU Directive 89/686/EEC and
	European Standard EN374. Gloves must be inspected prior to use.
	Avoid skin contact with product when remove gloves. Dispose of
	contaminated gloves safely after use.
Skin and body protection:	Wear laboratory coat or impervious clothing. Choose appropriate body
51	protection according to the amount and concentration of the substance
	at the work place.
Respiratory protection:	Wear suitable respiratory equipment in case of inadequate ventilation.

Section9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties	
a) Appearance:	White to slightly yellow solid
b) Odor:	Odorless
c) Odor Threshold:	No data available
d) pH:	No data available
 e) Melting point/freezing point: 	No data available
f) Initial boiling point and boiling range:	No data available
g) Flash point:	No data available
h) Evaporation rate:	No data available
i) Flammability (solid, gas):	No data available
j) Upper / lower flammability or explosive limits:	No data available
k) Vapor pressure:	No data available
I) Vapor density:	No data available
m) Relative density:	No data available
n) Solubility(ies):	No data available
 o) Partition coefficient: n-octanol / water: 	No data available
p) Auto-ignition temperature:	No data available
 q) Decomposition temperature: 	No data available
r) Viscosity:	No data available

s) Explosive properties:t) Oxidizing properties:

ADR/RID:

No

No data available No data available

Section	on10. STABILITY AND REACTIVITY			
	Stability and reactivity	Stable		
	Reactivity:	Stable	0°C dark and dry place	
	Chemical stability:	Stable at a deep freeze at -2	o o, uark and dry place.	
	Possibility of hazardous reactions:	No data available	turo	
	Conditions to avoid:	Heat, sunlight, high temperature		
	Incompatible materials:	Strong oxidizing agents, stro		
	Hazardous decomposition products:	When decomposed, it may e		
		carbonmonoxide, carbon dio	xide and sulfur oxides.	
	on11. TOXICOLOGICAL INFORMATI	ION		
11.1	Information on toxicological effects	No data availabl	^	
	a) Acute toxicity:	No data availabl		
	b) Skin corrosion / irritation:	No data availabl		
	c) Serious eye damage/eye irritation:	No data availabl	e	
	d) Carcinogenicity:			
		ent of this product present at levels greate		
		s a possible, probable or confirmed humar		
	e) Reproductive toxicity:	No data availabl		
	f) STOT - SE:	No data availabl		
	g) STOT - RE:	No data availabl		
	h) Aspiration hazard:	No data availabl	e	
11.2	Potential health effects			
	Ingestion:	May be harmful if swallowed.		
	Inhalation:	May be harmful if inhaled. Causes respire		
	Skin:	May be harmful if absorbed through skin.		
	Eyes:	Causes serious eye irritation.		
11.3	Additional Information	-		
	No additional information is available			
Conti				
Section 12.1	on12. ECOLOGICAL INFORMATION Ecotoxicity			
14.1	No data available			
12.2				
12.2	Persistence and degradability			
40.0	No data available			
12.3	Bioaccumulative potential			
	No data available			
12.4	Mobility in soil			
	No data available			
12.5	Results of PBT and vPvB assessmen	t		
	No data available			
Sectio	on13. DISPOSAL CONSIDERATION	6		
0.11	Waste treatment methods	-		
	Product			
		e disposal service to dispose of this materi	al. Dispose of in accordance	
	with local regulations.			
	Contaminated packaging			
	Dispose of as unused product. Do no	t reuse empty containers		
		croase empty containers.		
Sectio	on14. TRANSPORT INFORMATION			
14.1	UN number			
	ADR/RID: -	IMDG: -	IATA: -	
14.2	UN proper shipping name			
	ADR/RID:	Not dangerous goods		
	IMDG:	Not dangerous goods		
	IATA:	Not dangerous goods		
14.3	Transport hazard class(es)	5 5		
		IMDG: -		
14.0	ADR/RID: -		IATA: -	
-			IATA: -	
-	Packaging group	-		
14.4		IMDG: -	IATA: -	

IMDG: No

IATA:

No

Section15. REGULATORY INFORMATION

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 [REACH], as amended by Commission Regulation (EU) No 453/2010.

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture No information available

15.2 Chemical Safety Assessment

No information available

Section16. OTHER INFORMATION

Key to abbreviations and acronyms	
STOT-SE:	Specific Target Organ Toxicity - Single Exposure
STOT-RE:	Specific Target Organ Toxicity - Repeated Exposure
PBT:	Persistent Bioaccumulative and Toxic
vPvB:	very Persistent very Bioaccumulative and toxic
ADR:	european Agreement concerning the international carriage of Dangerous goods by Road
CAS:	Chemical Abstracts Service
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association
IMDG:	International Maritime code for Dangerous Goods
REACH:	Registration, Evaluation, Authorization and restriction of Chemicals
RID:	Regulations concerning the International transport of Dangerous goods by rail