

Safety Data Sheet 2104130 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 12/29/2015 Version: 1.0

1.1. Identification			
Product form	: Substance		
Substance name	: 3-(Hexyloxy)propane-1,2-dio		
CAS No	: 10305-38-1		
Product code	: 2104-1-30		
Formula	: C9H20O3		
Synonyms	: 1-O-Hexylglycerol		
Other means of identification	: MFCD00167017		
1.2. Relevant identified uses of the	substance or mixture and uses adv	sod against	
Use of the substance/mixture	Laboratory chemicals     Manufacture of substances     Scientific research and devel		
1.3. Details of the supplier of the sa	ifety data sheet		
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Ameri T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlab	ica		
1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Compan	/ - Account 10069)	
Eye Dam. 1 H318 - Causes serious eye STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16	damage		
Eye Dam. 1 H318 - Causes serious eye	damage		
Eye Dam. 1 H318 - Causes serious eye STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling	damage		
Eye Dam. 1 H318 - Causes serious eye STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	damage bry irritation		
Eye Dam. 1       H318 - Causes serious eye         STOT SE 3       H335 - May cause respirato         Full text of H-phrases: see section 16         2.2.       Label elements         GHS-US labeling	damage by irritation		
Eye Dam. 1 H318 - Causes serious eye STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	damage by irritation : GHS05 GHS05 GHS07 : Danger : H315 - Causes skin irritation H318 - Causes serious eye of H335 - May cause respirator : P261 - Avoid breathing fume P264 - Wash skin thoroughly P271 - Use only outdoors or P280 - Wear protective glove P302+P352 - If on skin: Was P304+P340 - If inhaled: Rem P305+P351+P338 - If in eyes lenses, if present and easy to P310 - Immediately call a PC P321 - Specific treatment (se P332+P313 - If skin irritation P362+P364 - Take off contar P403+P233 - Store in a well- P405 - Store locked up	r irritation s, mist, spray, vapors after handling n a well-ventilated area s/protective clothing/eye protection/face protect n with plenty of soap and water ove person to fresh air and keep comfortable fo s: Rinse cautiously with water for several minute	or breathing es. Remove contac

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.3. Other hazards					
o additional information available					
4. Unknown acute toxicity (GHS US)					
ot applicable					
ECTION 3: Composition/informat	ion on ingr	edients			
1. Substance					
substance type	: Mono-co	nstituent			
Name	P	roduct identifier	%	(	Classification (GHS-US)
3-(Hexyloxy)propane-1,2-diol (Main constituent)	(0	CAS No) 10305-38-1	<= 100	1	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
ull text of H-phrases: see section 16	I		I	I	
.2. Mixture					
lot applicable					
ECTION 4: First aid measures					
.1. Description of first aid measures					
irst-aid measures general		of accident or if you feel un ossible). Move the affected			
irst-aid measures after inhalation	respiratio	on. Get immediate medical	advice/attention.	-	If not breathing, give artificial
irst-aid measures after skin contact		th plenty of soap and wate			
irst-aid measures after eye contact	present	and easy to do. Continue ri	nsing. Get immedi	ate medica	
irst-aid measures after ingestion	mouth o	induce vomiting. Never giv ut with water. Get immedia			nconscious person. Rinse
.2. Most important symptoms and eff					
ymptoms/injuries		t important known symptor or in section 11.	ns and effects are	described	in the labelling (see section
4.3. Indication of any immediate medi	cal attention a	nd special treatment nee	ded		
reat symptomatically.					
SECTION 5: Firefighting measures					
.1. Extinguishing media					
Suitable extinguishing media		esistant foam. Carbon diox ate for surrounding fire.	kide. Dry powder. \	Nater spra	y. Use extinguishing media
.2. Special hazards arising from the	substance or r	nixture			
Fire hazard	: Thermal	decomposition generates:	Carbon oxides.		
xplosion hazard	: Risk of e containe		onfinement. Use w	ater spray	or fog for cooling exposed
.3. Advice for firefighters					
irefighting instructions		of fire: Evacuate area. Figh			•
rotection during firefighting		s tight chemically protectiv s. For further information r			n self contained breathing controls/personal protection".
SECTION 6: Accidental release me					
5.1. Personal precautions, protective					on Do not brooths and furner
General measures	: Evacuate vapor or	• •	Ensure adequate a		on. Do not breathe gas, fumes,
.1.1. For non-emergency personnel					
mergency procedures	: Only qua	lified personnel equipped	with suitable prote	ctive equip	ment may intervene.
1.2. For emergency responders					
rotective equipment		ttempt to take action witho ection 8: "Exposure contro			ent. For further information
Emergency procedures					, particularly at or below ground
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6.2. Environmental precautions			
Avoid release to the environment. Notify authori	ties if product enters sewers or public waters.		
6.3. Methods and material for containm	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 o smoke when using this product. Always wash hands after handling the product.			
7.2. Conditions for safe storage, including any incompatibilities			
Technical measures	: Comply with applicable regulations.		
Storage conditions	: Keep container closed when not in use. Hygroscopic. Keep contents under inert gas.		
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**

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Vapor pressure	: No data available		
Oxidizing properties	: No data available		
Explosive properties	: No data available		
Explosion limits	: No data available		
Flammability (solid, gas)	: No data available		
Relative evaporation rate (butyl acetate=1)	: No data available		
Flash point	: > 110 °C		
Boiling point	: 109 °C (@ 4 mm Hg)		
Freezing point	: No data available		
Melting point	: -5.5 - 0 °C		
рН	: No data available		
Odor threshold	: No data available		
Odor	: No data available		
Color	: No data available		
Physical state	: Liquid		
0.1. Information on basic physical and	d chemical properties		

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Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Specific gravity / density	: 0.97 g/ml (@ 20 °C)
Molecular mass	: 176.25 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 4484 (@ 20 °C)

Refractive index

: 1.4484 (@ 20 °C)

SECTION 10: Stability and reactivity			
10.1.	Reactivity		
No addi	tional information available		
10.2.	Chemical stability		
The pro	duct is stable at normal handling and storage conditions.		
10.3.	Possibility of hazardous reactions		
No addi	tional information available		
10.4.	Conditions to avoid		
Keep away from heat, sparks and flame.			
10.5.	Incompatible materials		

Alkalis. Oxidizing agents. Strong acids.

#### 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.

11.1. Information on toxicological effects	
Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTIO	DN 12: Ecological information
12.1.	Toxicity
No additi	onal information available
12.2.	Persistence and degradability
No additi	onal information available
12.3.	Bioaccumulative potential
No additi	onal information available

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#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

No additional information available

CECTION 42. Diseased compideration		
SECTION 13: Disposal consideratio	S	
13.1.       Waste treatment methods         Waste treatment methods       Waste disposal recommendations         Additional information       Magnetic disposal recommendations	<ul> <li>Remove to an authorized incinerator equipped with</li> <li>Dispose of contents/container in accordance with I</li> <li>Recycle the material as far as possible.</li> </ul>	_
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 informatio		
15.1. US Federal regulations		
All components of this product are listed, or ex Substances Control Act (TSCA) inventory exce	luded from listing, on the United States Environmental of for:	Protection Agency Toxic
3-(Hexyloxy)propane-1,2-diol	CAS No 10305-38-1	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**

3-(Hexyloxy)propane-1,2-diol (10305-38-1) Listed on the Japanese ISHL (Industrial Safety and Health Law)

#### 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	t of H-phrases:	
	Eye Dam. 1	Serious eye damage/eye irritation Category 1
	Skin Irrit. 2	Skin corrosion/irritation Category 2
	STOT SE 3	Specific target organ toxicity (single exposure) Category 3
	H315	Causes skin irritation
	H318	Causes serious eye damage
	H335	May cause respiratory irritation
NFPA h	nealth hazard	: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
NFPA f	ire hazard	: 1 - Must be preheated before ignition can occur.
NFPA r	reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS II	II Rating	
Health		: 2 Moderate Hazard - Temporary or minor injury may occur
Flamma	ability	: 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)
Physica	al	: 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.