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A Geno Technology, Inc. (USA) brand name

Safety Data Sheet

Cat. # RC-254

MUG

Size: 1g





MUG

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 05/06/2013 Revision date: 05/11/2017 Version: 7.1

SECTION 4. Identification				
SECTION 1: Identification				
1.1. Identification				
Product form	: Substance			
Substance name	: MUG			
Chemical name	: 4-Methylumbelliferyl beta-D)-glucuronide		
CAS-No.	: 6160-80-1			
Product code	: 561A			
Formula	: C16H16O9			
Other means of identification	: MUG200, MUG1, 4-Methyl	umbelliferyl beta-D-glucur	onide acid	
1.2. Recommended use and restriction	ons on use			
Use of the substance/mixture	: Commonly used for the det glucuronidase (GUR).	ection of E. coli through it	s ability to	detect activity of beta-
Use of the substance/mixture	: Research and developmen	t		
1.3. Supplier				
Geno Technology, Inc./ G-Biosciences 9800 Page Avenue Saint Louis, 63132-1429 - United States T 800-628-7730 - F 314-991-1504 technical@GBiosciences.com - www.GBiosc	iences.com			
1.4. Emergency telephone number				
Emergency number	: Chemtrec 1-800-424-9300	(USA/Canada), +1-703-52	2 7-3887 (l	ntl)
SECTION 2: Hazard(s) identificati	on			
2.1. Classification of the substance of	or mixture			
GHS US classification				
Not classified				
2.2. GHS Label elements, including p	precautionary statements			
GHS US labeling				
No labeling applicable				
2.3. Other hazards which do not resu	It in classification			
No additional information available				
2.4. Unknown acute toxicity (GHS US	\$)			
Not applicable	,			
SECTION 3: Composition/Informa	tion on ingredients			
3.1. Substances				
Name	Common Name (Synonyms)	Product identifier	%	GHS US classification
MUG		(CAS-No.) 6160-80-1	100	Not classified
(Main constituent)				
Full text of hazard classes and H-statements	: see section 16			
3.2. Mixtures				
Not applicable				
SECTION 4: First-aid measures				
4.1. Description of first aid measures	5			
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.				
First-aid measures after skin contact : Wash skin with plenty of water.				
First-aid measures after eye contact : Rinse eyes with water as a precaution.				
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.				
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4.2 Most important symptoms and a	ffects (acute and delayed)			
4.2. Most important symptoms and e No additional information available	ffects (acute and delayed)			

MUG

Safety Data Sheet

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

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Safety glasses Skin and body protection:	Eye protection:		
Skin and body protection:			
06/28/2019 EN (English US) 2/5			
	06/28/2019	EN (English US) 2	2/5

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Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical p	properties	
9.1. Information on basic physical and c		
Physical state	: Solid	
Appearance	: Powder.	
Color	: White	
Odor	: No data available	
Odor threshold	: No data available	
рН	: No data available	
Melting point	: No data available	
Freezing point	: Not applicable	
Boiling point	: No data available	
Flash point	: Not applicable	
Relative evaporation rate (butyl acetate=1)	: No data available	
Flammability (solid, gas)	: Non flammable.	
Vapor pressure	: No data available	
Relative vapor density at 20 °C	: No data available	
Relative density	: Not applicable	
Molecular mass	: 352.3 g/mol	
Solubility	: No data available	
Log Pow	: No data available	
Auto-ignition temperature	: Not applicable	
Decomposition temperature	: No data available	
Viscosity, kinematic	: No data available	
Viscosity, dynamic	: No data available	
Explosion limits	: Not applicable	
Explosive properties	: No data available	
Oxidizing properties	: No data available	
9.2. Other information		
No additional information available		
SECTION 10: Stability and reactivity		
10.1. Reactivity		
The product is non-reactive under normal condition	ons of use, storage and transport.	
10.2. Chemical stability Stable under normal conditions.		
10.3. Possibility of hazardous reactions		
No dangerous reactions known under normal conditions of use.		
10.4. Conditions to avoid		
None under recommended storage and handling conditions (see section 7).		
10.5. Incompatible materials		
No additional information available		
10.6. Hazardous decomposition products		
Hazardous decomposition products.		
SECTION 11: Toxicological information	ion	
11.1. Information on toxicological effects		
Acute toxicity (oral)	: Not classified	
06/28/2019	EN (English US) 3/5	

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Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity - single exposure	: Not classified
Specific target organ toxicity – repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available

SECTION 12: Ecological information		
12.1.	Toxicity	
Ecology	- general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
12.2.	Persistence and degradability	
No addi	tional information available	
12.3.	Bioaccumulative potential	
No addi	tional information available	
12.4.	Mobility in soil	
No additional information available		
12.5.	Other adverse effects	
No addi	tional information available	

SECTION 13: Disposal consideration	ns
13.1. Disposal methods	
Waste treatment methods	: Waste treatment methods.
SECTION 14: Transport information	
Department of Transportation (DOT)	
In accordance with DOT	
Other information	: No supplementary information available.
Transportation of Dangerous Goods	
Transport by sea	
Not regulated	
Air transport	
Not regulated	
SECTION 15: Regulatory information	n
15.1. US Federal regulations	

MUG (6160-80-1)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

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15.2. International regulations

CANADA

EU-Regulations

National regulations No additional information available

15.3. US State regulations

SECTION 16: Other information

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

Revision date

: 05/11/2017

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.