

Safety Data Sheet 4H121X5 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 08/07/2020 Version: 1.0

SECTION 1: Identification	
1.1. Identification	. Substance
	: Substance
	: 2-(Acetamido)-2-deoxy-D-mannopyranose
CAS No	: 3615-17-6
	: 4H12-1-X5
Formula	: C8H15NO6
Synonyms	: 2-(Acetylamino)-2-deoxy-D-mannose / D-Mannose, 2-(acetylamino)-2-deoxy-
Other means of identification	: MFCD00046758
1.2. Relevant identified uses of the substa	ance 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 safety da	ata sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097	
info@synquestlabs.com - www.synquestlabs.com	
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
Classification (GHS-US) Eye Irrit. 2A H319 - Causes serious eye irritation STOT SE 3 H335 - May cause respiratory irritat 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)	: H319 - Causes serious eye irritation H335 - May cause respiratory irritation
Precautionary statements (GHS-US)	 P261 - Avoid breathing dust, mist, spray P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P312 - Call a POISON CENTER or doctor/physician if you feel unwell P337+P313 - If eye irritation persists: Get medical advice/attention P403+P233 - Store in a well-ventilated place. Keep container tightly closed P405 - Store locked up P501 - Dispose of contents/container to an approved waste disposal plant
2.3. Other hazards	
No additional information available	
2.4. Unknown acute toxicity (GHS US)	

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ECTION 3: Composition/informat 1. Substance				
Substance type	· Mor	no-constituent		
	. 11101	Product identifier	%	Classification (CHS US)
Name 2-(Acetamido)-2-deoxy-D-mannopyranose		(CAS No) 3615-17-6	7 0 <= 100	Classification (GHS-US) Eye Irrit. 2A, H319
(Main constituent)			100	STOT SE 3, H335
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 First-aid measures after inhalation	whe	ase of accident or if you feel unwell, se ere possible). Move the affected person pove person to frash air and keep com	nel away from the	e contaminated area.
First-aid measures after skin contact	resp	nove person to fresh air and keep com piration. Get medical advice/attention. sh with plenty of soap and water. Get n		
First-aid measures after skin contact First-aid measures after eye contact		nediately flush eyes thoroughly with wa		
First-aid measures after ingestion	pres	sent and easy to do. Continue rinsing. (NOT induce vomiting. Never give anyth	Get medical advic	e/attention.
-	mou	uth out with water. Get medical advice/		
4.2. Most important symptoms and eff			offecto ora datari	had in the lebelling (and another
Symptoms/injuries		e most important known symptoms and and/or in section 11.	effects are descri	bed in the labelling (see section
4.3. Indication of any immediate medie	cal attenti	on and special treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measures 5.1. Extinguishing media				
SECTION 5: Firefighting measures	: Alco	ohol resistant foam. Carbon dioxide. Dr ropriate for surrounding fire.	y powder. Water s	spray. 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, includi	ng 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

9.1. Information on basic physical and	d chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: 128 °C
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	: 221.20 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

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9.2.	Other information					
No addit	No additional information available					
SECTI	ON 10: Stability and reactivity					
10.1.	Reactivity					
No addit	ional information available					
10.2.	Chemical stability					
The proc	The product is stable at normal handling and storage conditions.					
10.3.	Possibility of hazardous reactions					
No addit	No additional information available					
10.4.	Conditions to avoid					
Keep aw	Keep away from heat, sparks and flame.					
10.5.	Incompatible materials					
Strong o	xidizing 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.

		n			
11.1. Informat	on on toxicological effects				

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
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 classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

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

SECTIO	ON 13: Disposal consideration	ons	
13.1.	Waste treatment methods		
Waste tre	eatment methods	:	Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.
Waste dis	sposal recommendations	:	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additiona	linformation	:	Recycle the material as far as possible.

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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) inventor

Substances Control Act (13CA) Intentory exception.
2-(Acetamido)-2-deoxy-D-mannonyranose

CAS No 3615-17-6 100% 2-(Acetamido)-2-deoxy-D-mannopyranose

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

2-(Acetamido)-2-deoxy-D-mannopyranose (3615-17-6) Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) 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:	
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Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H319	Causes serious eye irritation
H335	May cause respiratory irritation

N N

NFPA health hazard	: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.	
IFPA fire hazard	: 0 - Materials that will not burn.	
VFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.	

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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.