

Safety Data Sheet 4H011P9 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 01/08/2018 Version: 1.0

SECTION 1: Identification				
1.1. Identification				
Product form	: Substance			
Substance name	: 4-Hydroxy-1H-benzotriazole			
CAS No	: 26725-51-9			
Product code	: 4H01-1-P9			
Formula	: C6H5N3O			
Synonyms	: 1H-1,2,3-Benzotriazol-4-ol			
Other means of identification	: MFCD00970892			
	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)			
SECTION 2: Hazard(s) identification				
2.1. Classification of the substance or mix	xture			
Classification (GHS-US)				
Acute Tox. 4 (Oral)H302 - Harmful if swallowedAcute Tox. 4 (Dermal)H312 - Harmful in contact with skinAcute Tox. 4 (Inhalation)H332 - Harmful if inhaledSkin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eye irritationSTOT SE 3H335 - May cause respiratory irritation				
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)	 H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled H315 - Causes skin irritation 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 P270 - Do not eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+P312 - If swallowed: Call a POISON CENTER or doctor/ physician if you feel unwell P302+P352 - If on skin: Wash with plenty of soap and water 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 P321 - Specific treatment (see supplemental first aid instructions on this label)			
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	P330 - Rinse mouth 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 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)					
Not applicable					
SECTION 3: Composition/informat	ion on ingredients				
3.1. Substance					
Substance type	: Mono-constituent				
Name	Product identifier	%	Classification (GHS-US)		
4-Hydroxy-1H-benzotriazole (Main constituent)	(CAS No) 26725-51-9	<= 100	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 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	: In case of accident or if you fee	l unwell, sook modical adviso	immodiately (show the label		
list-aid measules general	where possible). Move the affe				
First-aid measures after inhalation	 Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get immediate medical advice/attention. 				
First-aid measures after skin contact	: Wash with plenty of soap and water. Get immediate medical advice/attention.				
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.				
First-aid measures after ingestion	mouth out with water. Get imm	: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention.			
4.2. Most important symptoms and eff					
Symptoms/injuries	: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.				
4.3. Indication of any immediate media	cal attention and special treatment	needed			
Freat symptomatically.					
SECTION 5: Firefighting measures					
5.1. Extinguishing media					
Suitable extinguishing media	: Alcohol resistant foam. Carbon appropriate for surrounding fire		pray. Use extinguishing media		
5.2. Special hazards arising from the s	substance or mixture				
Fire hazard	: Thermal decomposition genera	tes: Carbon oxides. Nitrogen	oxides.		
5.3. Advice for firefighters					
refighting instructions : In case of fire: Evacuate area.					
Protection during firefighting	: Wear gas tight chemically prote apparatus. For further informat		with self contained breathing ire controls/personal protection".		
SECTION 6: Accidental release me	asures				
6.1. Personal precautions, protective e	equipment and emergency procede	ires			
General measures	: Evacuate unnecessary person	nel. Ensure adequate air venti	lation. Do not breathe dust.		
S.1.1. For non-emergency personnel					
Emergency procedures	: Only qualified personnel equip	ped with suitable protective ec	uipment may intervene.		

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6.1.2. For emergency respon	ders
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precaut	ions
Avoid release to the environment.	Notify authorities if product enters sewers or public waters.
6.3. Methods and material f	or containment and cleaning up
For containment	: Stop leak if safe to do so.
Methods for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.
Other information	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
6.4. Reference to other sec	tions
No additional information available	
SECTION 7: Handling and	storage
7.1. Precautions for safe ha	
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 sto	rage, including any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use.
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	I chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: 221 - 223 °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

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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	: 135.1234 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**

No additional information available

SECT	ION 10: Stability and reactivity
10.1.	Reactivity
No add	itional information available
10.2.	Chemical stability
The pro	oduct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No add	itional information available
10.4.	Conditions to avoid
Keep a	way from heat, sparks and flame.
10.5.	Incompatible materials
Strong	oxidizing agents.
10.6.	Hazardous decomposition products
Under r	normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of

fire, see Section 5.

: Oral: Harmful if swallowed. Dermal: Harmful in contact with skin. Inhalation: Harmful if inhaled.

SECTION 11:	Toxicological information

Information on toxicological effects 11.1.

Acute toxicity

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Skin corrosion/irritation	: Causes skin irritation.
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

SECT	ION 12: Ecological informatio	n		
12.1.	Toxicity			
No add	tional information available			
12.2.	Persistence and degradability			
No add	tional information available			
12.3.	Bioaccumulative potential			
No add	tional information available			
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerat	ions		
13.1. Waste treatment methods			
Waste treatment methods	: Remove to an a	uthorized incinerator equipped with	an afterburner and a flue gas scrubber.
Waste disposal recommendations	: Dispose of conte	ents/container in accordance with li	censed collector's sorting instructions.
Additional information	: Recycle the mat	erial as far as possible.	
SECTION 14: Transport information	on		
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 informat	ion		
15.1. US Federal regulations			
All components of this product are listed, or Substances Control Act (TSCA) inventory e		n the United States Environmental	Protection Agency Toxic
4-Hydroxy-1H-benzotriazole		CAS No 26725-51-9	100%
This product or mixture does not contain a to CFR §372.38(a) subject to the reporting rec and 40 CFR Part 372.			
15.2. International regulations			
CANADA No additional information available			
EU-Regulations			
No additional information available			
National regulations			
No additional information available			

No additional information available

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 of H-phrases:				
Acute	Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4		
Acute	Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4		
Acute	Tox. 4 (Oral)	Acute toxicity (oral) Category 4		
Eye Ir	rit. 2A	Serious eye damage/eye irritation Category 2A		
Skin I	rrit. 2	Skin corrosion/irritation Category 2		
STOT	SE 3	Specific target organ toxicity (single exposure) Category 3		
H302		Harmful if swallowed		
H312		Harmful in contact with skin		
H315		Causes skin irritation		
H319		Causes serious eye irritation		
H332		Harmful if inhaled		
H335		May cause respiratory irritation		

NFPA health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard	: 0 - Materials that will not burn.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
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

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.

react with water, polymerize, decompose, condense, or self-react. Non-Explosives.