

# (1R,4R)-2-Methyl-2,5-diazabicyclo[2.2.1]heptane dihydrobromide Safety Data Sheet 3H329R1

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 06/01/2018 Version: 1.0

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SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: (1R,4R)-2-Methyl-2,5-diazabic	clo[2.2.1]heptane dihydrobromide	
CAS No	: 125224-64-8		
Product code	: 3H32-9-R1		
Formula	: C6H14Br2N2		
Synonyms	: (1R,4R)-5-Methyl-2,5-diazabic	clo[2.2.1]heptane dihydrobromide	
Other means of identification	: MFCD13195528		
.2. Relevant identified uses of the	substance or mixture and uses advis	ed against	
Use of the substance/mixture	: Laboratory chemicals	a againer	
	Manufacture of substances Scientific research and develo	ment	
I.3. Details of the supplier of the sat	etv data sheet		
SynQuest Laboratories, Inc.			
P.O. Box 309			
Alachua, FL 32615 - United States of Americ	ca		
Г (386) 462-0788 - F (386) 462-7097 nfo@synguestlabs.com - www.synguestlabs	s com		
I.4. Emergency telephone number			
mergency number	: (844) 523-4086 (3E Company	Account 10069)	
SECTION 2: Hazard(s) identificati	on		
2.1. Classification of the substance	or mixture		
Classification (GHS-US)			
Acute Tox. 4 (Oral) H302 - Harmful if swa	allowed		
Skin Irrit. 2 H315 - Causes skin i			
Eye Dam. 1 H318 - Causes serior			
STOT SE 3 H335 - May cause re	spiratory irritation		
Full text of H-phrases: see section 16			
2.2. Label elements			
GHS-US labeling			
Hazard pictograms (GHS-US)			
	<ul> <li>《些 </li> <li>《些 </li> </ul>		
	GHS05 GHS07		
Signal word (GHS-US)	: Danger		
Hazard statements (GHS-US)	: H302 - Harmful if swallowed H315 - Causes skin irritation		
	H318 - Causes serious eye da	nage	
	H335 - May cause respiratory		
Precautionary statements (GHS-US)	: P261 - Avoid breathing dust, m		
	P264 - Wash skin thoroughly a		
	P270 - Do not eat, drink or sm P271 - Use only outdoors or in		
		protective clothing/eye protection/face protec	tion
	P301+P312 - If swallowed: Ca	a POISON CENTER or doctor/ physician if y	
	P302+P352 - If on skin: Wash		
		e person to fresh air and keep comfortable for Rinse cautiously with water for several minute	
	lenses, if present and easy to		SS. Remove condol
	P310 - Immediately call a POI	ON CENTER or doctor/ physician	
	P321 - Specific treatment (see	supplemental first aid instructions on this labe	el)
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locorality	to Federal Register / Vol. 77, No. 58 / Monday, P	viai 011 20,			
		P330 - Rinse mouth P332+P313 - If skin irritation occurs: 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				
	tional information available				
2.4.	Unknown acute toxicity (GHS US)				
Not app	• • • •				
SECT	ION 3: Composition/information	i on in	gredients		
3.1.	Substance				
Substar	nce type	: Mono	-constituent		
Name			Product identifier	%	Classification (GHS-US)
dihydro	)-2-Methyl-2,5-diazabicyclo[2.2.1]heptane bromide nstituent)		(CAS No) 125224-64-8	<= 100	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
Full text	of H-phrases: see section 16				·
3.2.	Mixture				
Not app	licable				
	ION 4: First aid measures				
4.1.	Description of first aid measures				
	I measures general		se of accident or if you feel unwell, seek i possible). Move the affected personnel		
First-aic	irst-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	I measures after skin contact	: Wash	with plenty of soap and water. Get imme	ediate medical a	dvice/attention.
First-aid	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 : 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 effect	s, both	acute and delayed		
Sympto	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 medical	attentio	n and special treatment needed		
Treat sy	/mptomatically.				
	ION 5: Firefighting measures				
5.1. Suitable	Extinguishing media		ol resistant foam. Carbon dioxide. Dry po priate for surrounding fire.	owder. Water sp	ray. Use extinguishing media
5.2.	Special hazards arising from the sub	stance o	or mixture		
Fire haz			nal decomposition generates: Carbon ox	ides. Hydrogen	fluoride. Nitrogen oxides.
5.3.	Advice for firefighters				-
	Advice for firefighters  fighting instructions  in case of fire: Evacuate area.				
-	-				
Protection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".					
SECTION 6: Accidental release measures					
6.1. Personal precautions, protective equipment and emergency procedures					
	General measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust.				
6.1.1. Emerge	1.1.       For non-emergency personnel         mergency procedures       : Only qualified personnel equipped with suitable protective equipment may intervene.				

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### 6.1.2. For emergency responders

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 precautions**

Avoid release to the environment. Notify authorities if product enters sewers or public waters.				
6.3. Methods and material for containme	6.3. Methods and material for 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 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 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, 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	<ul> <li>In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.</li> </ul>
Other information	: Safety shoes. 29 CFR 1910.136: Foot Protection.

## **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical an	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	: 220 - 225 °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	: 273.997 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

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

SECTION 11: Toxicological information				
11.1. Information on toxicological effects				
Acute toxicity	: Oral: Harmful if swallowed.			
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			
SECTION 12: Ecological information				

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

## No additional information available

## 12.5. Other adverse effects

No additional information available

13.1. Waste treatment methods		
Waste treatment methods Waste disposal recommendations Additional information	<ul><li>Remove to an authorized incinerator equipped wit</li><li>Dispose of contents/container in accordance with</li><li>Recycle the material as far as possible.</li></ul>	
SECTION 14: Transport informat	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 informa	tion	
15.1. US Federal regulations		
All components of this product are listed, of Substances Control Act (TSCA) inventory (1R,4R)-2-Methyl-2,5-diazabicyclo[2.2.1]h		Il Protection Agency Toxic
This product or mixture does not contain a	toxic chemical or chemicals in excess of the applicable de quirements of section 313 of Title III of the Superfund Ame	minimis concentration as specified in 40
15.2. International regulations		
CANADA No additional information available		
EU-Regulations No additional information available		
National regulations No additional information available		
15.3. US State regulations		
California Proposition 65 - This product of and/or reproductive harm	loes not contain any substances known to the state of Cali	fornia to cause cancer
SECTION 16: Other information		

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Full tex	t of H-phrases:		
	Acute Tox. 4 (Oral)		Acute toxicity (oral) Category 4
	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
	H302		Harmful if swallowed
	H315		Causes skin irritation
	H318		Causes serious eye damage
	H335		May cause respiratory irritation
NFPA f	nealth hazard ïre hazard reactivity	given. : 0 - Materials that will not b	h prompt medical attention was burn. under fire exposure conditions,
HMIS I	II Rating		
Health		: 3 Serious Hazard - Majo given	or injury likely unless prompt action is taken and medical treatment is
Flamm	ability	: 0 Minimal Hazard - Mate	rials that will not burn
Physica	al		erials that are normally stable, even under fire conditions, and will NOT rize, 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.