

# 1-(2-Chlorobenzyl)-1,4-diazepane

Safety Data Sheet 3H325K5 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 04/22/2016 Version: 1.0

SECTION 1: Identification	
.1. Identification	
Product form	: Substance
Substance name	: 1-(2-Chlorobenzyl)-1,4-diazepane
AS No	: 76141-88-3
roduct code	: 3H32-5-K5
ormula	: C12H17CIN2
official	: MFCD01312090
	substance or mixture and uses advised against
lse of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development
.3. Details of the supplier of the saf	fety data sheet
ynQuest Laboratories, Inc.	
P.O. Box 309 Ilachua, FL 32615 - United States of Americ (386) 462-0788 - F (386) 462-7097	
<ul> <li><u>ifo@synquestlabs.com</u> - <u>www.synquestlabs</u></li> <li><u>Emergency telephone number</u></li> </ul>	<u>s.com</u>
mergency number	: (844) 523-4086 (3E Company - Account 10069)
mergency number	. (844) 525-4000 (SE Company - Account 10009)
ECTION 2: Hazard(s) identificati	ion
1. Classification of the substance of	
location (CLIC LIC)	
lassification (GHS-US)	
ye Irrit. 2A H319 - Causes serious eye i	irritation
ye Irrit. 2A H319 - Causes serious eye in	irritation
ye Irrit. 2A H319 - Causes serious eye in TOT SE 3 H335 - May cause respirator	irritation
ye Irrit. 2A H319 - Causes serious eye in TOT SE 3 H335 - May cause respirator ull text of H-phrases: see section 16	irritation
ye Irrit. 2A H319 - Causes serious eye in TOT SE 3 H335 - May cause respirator ull text of H-phrases: see section 16 .2. Label elements	irritation
Eye Irrit. 2A       H319 - Causes serious eye in STOT SE 3         H335 - May cause respirator         Full text of H-phrases: see section 16         Label elements         SHS-US labeling	irritation
ye Irrit. 2A H319 - Causes serious eye in TOT SE 3 H335 - May cause respirator full text of H-phrases: see section 16 .2. Label elements CHS-US labeling	irritation ry irritation
ye Irrit. 2A H319 - Causes serious eye in TOT SE 3 H335 - May cause respirator ull text of H-phrases: see section 16 <b>.2. Label elements</b> <b>HS-US labeling</b> azard pictograms (GHS-US)	irritation ry irritation : : : : GHS07
ye Irrit. 2A H319 - Causes serious eye in TOT SE 3 H335 - May cause respirator ull text of H-phrases: see section 16 .2. Label elements HS-US labeling lazard pictograms (GHS-US)	irritation ry irritation : GHS07 : Warning
ye Irrit. 2A H319 - Causes serious eye in TOT SE 3 H335 - May cause respirator ull text of H-phrases: see section 16 .2. Label elements HS-US labeling lazard pictograms (GHS-US)	<ul> <li>irritation</li> <li>ry irritation</li> <li>: irritation</li> <li>: irritation</li> <li>: irritation</li> <li>: Warning</li> <li>: H315 - Causes skin irritation</li> <li>H319 - Causes serious eye irritation</li> </ul>
ye Irrit. 2A H319 - Causes serious eye in TOT SE 3 H335 - May cause respirator ull text of H-phrases: see section 16 <b>.2. Label elements</b> <b>HS-US labeling</b> lazard pictograms (GHS-US) ignal word (GHS-US) lazard statements (GHS-US)	<ul> <li>irritation ry irritation</li> <li>: irritation</li> <li>: irritation</li> <li>: irritation</li> <li>: Warning</li> <li>: H315 - Causes skin irritation</li> <li>H319 - Causes serious eye irritation</li> <li>H335 - May cause respiratory irritation</li> </ul>
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	er hazards				
No additional information available					
2.4. Unknown acute toxicity (GHS US)					
Not applicable					
SECTION 3	3: Composition/information o	on ing	gredients		
3.1. Sub	stance				
Substance type	e : I	Mono-	constituent		
Name			Product identifier	%	Classification (GHS-US)
1-(2-Chloroben (Main constituent	nzyl)-1,4-diazepane )		(CAS No) 76141-88-3	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-p	hrases: see section 16				
3.2. Mixt	ure				
Not applicable					
SECTION 4	I: First aid measures				
4.1. Des	cription of first aid measures				
First-aid meas			e of accident or if you feel unwell, seek r possible). Move the affected personnel		
First-aid meas			ve person to fresh air and keep comforta ation. Get medical advice/attention.	able for breathing	g. If not breathing, give artificial
First-aid meas	ures after skin contact : V	Wash	with plenty of soap and water. Get medi	cal advice/atten	tion.
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 medical advice/attention.					
First-aid meas		: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.			
4.2. Mos	t important symptoms and effects, I				
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 attention and special treatment needed					
Freat symptom	natically.				
SECTION 5	5: Firefighting measures				
	nguishing media				
Suitable exting			ol resistant foam. Carbon dioxide. Dry po priate for surrounding fire.	owder. Water sp	ray. Use extinguishing media
5.2. Spe	cial hazards arising from the substa	ance o	r mixture		
Fire hazard	: -	Therm	al decomposition generates: Carbon oxi	des. Hydrogen	chloride. Nitrogen oxides.
5.3. Advi	ice for firefighters				
Firefighting ins	•	In cas	e 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. Pers	sonal precautions, protective equipn	ment a	ind emergency procedures		
General meas	ures : I	Evacu	ate unnecessary personnel. Ensure ade	quate air ventila	tion. Do not breathe dust.
6.1.1. For	non-emergency personnel				
Emergency pro	• • • •	Only q	ualified personnel equipped with suitabl	e protective equ	ipment may intervene.
6.1.2. For	emergency responders				
Protective equ	ipment : I		t attempt to take action without suitable p o section 8: "Exposure controls/personal		ment. For further information
6.2. Envi	ironmental precautions				
	to the environment. Notify authorities if	if produ	uct enters sewers or public waters.		
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_	10/00/001	6	EN (English LIC)		2/6
I	For conta	ainment	: Stop leak if safe to do so.		
	6.3.	Methods and material for containment and cleaning up			

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Methods for cleaning up		: Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.
Other i	nformation	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
6.4.	Reference to other sections	
No add	litional information available	
SECT	ION 7: Handling and storage	
7.1.	Precautions for safe handling	
Precau	itions 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.
Hygien	e 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, inclu	ding any incompatibilities
Techni	cal measures	: Comply with applicable regulations.
Storage	e conditions	: Keep container closed when not in use.

: Refer to Section 10 on Incompatible Materials.

: Store in dry, cool, well-ventilated area.

# SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Incompatible materials

Storage area

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	: 54 - 56 °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	: 224.73 g/mol
Solubility	: No data available
Log Pow	: No data available

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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 data available         9.2. Other information       No additional information available         SECTION 10: Stability and reactivity         10.1. Reactivity       No additional information available         SECTION 10: Stability and reactivity         10.2. Chemical stability       No additional information available         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 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 ire, see Section 5.         SECTION 11: Toxicological information	5 5 ,	58 / Monday, March 26, 2012 / Rules and Regulations
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fire, see Section 5. SECTION 11: Toxicological information	10.6. Hazardous decomposition	n products
		nd use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of
11.1. Information on toxicological effects	SECTION 11: Toxicological	information
	11.1. Information on toxicologi	cal effects

Acute toxicity	: Not classified
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

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

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<b>SECTION 13: Disposal considerat</b>	ions
13.1. Waste treatment methods	
Waste treatment methods	: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.
Waste disposal recommendations	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information	: Recycle the material as far as possible.

### **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) inventory except for:

1-(2-Chlorobenzyl)-1,4-diazepane CAS No 76141-88-3 100%
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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

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**

#### Full text of H-phrases:

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

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NFPA health hazard	: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
NFPA fire hazard	: 1 - Must be preheated before ignition can occur.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	<ul> <li>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)</li> </ul>
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.