

Safety Data Sheet 4H489X8 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 10/15/2018 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 1-(3-Bromophenyl)imidazolidin-2-one
CAS No	: 14088-96-1
Product code	: 4H48-9-X8
Foduci code Formula	: C9H9BrN2O
Synonyms	: 1-(3-Bromophenyl)tetrahydro-2H-imidazol-2-one; 1-Bromo-3-(2-oxoimidazolidin-1-yl)benzene
Other means of identification	: MFCD08443974
1.2. Relevant identified uses of the s	substance 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 saf	fety data sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Americ T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs	
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identificati	ion
2.1. Classification of the substance	or mixture
Classification (GHS-US)	
	l in contact with skin
	l if inhaled
Acute Tox. 4 (Inhalation)H332 - HarmfulSkin Irrit. 2H315 - CausesEye Irrit. 2AH319 - CausesSTOT SE 3H335 - May causes	l if inhaled skin irritation serious eye irritation
Acute Tox. 4 (Inhalation)H332 - HarmfulSkin Irrit. 2H315 - CausesEye Irrit. 2AH319 - CausesSTOT SE 3H335 - May cauFull text of H-phrases: see section 16	l if inhaled skin irritation serious eye irritation
Acute Tox. 4 (Inhalation)H332 - HarmfulSkin Irrit. 2H315 - CausesEye Irrit. 2AH319 - CausesSTOT SE 3H335 - May causes	l if inhaled skin irritation serious eye irritation
Acute Tox. 4 (Inhalation)H332 - HarmfulSkin Irrit. 2H315 - CausesEye Irrit. 2AH319 - CausesSTOT SE 3H335 - May cauFull text of H-phrases: see section 162.2.Label elements	l if inhaled skin irritation serious eye irritation
Acute Tox. 4 (Inhalation) H332 - Harmful Skin Irrit. 2 H315 - Causes Eye Irrit. 2A H319 - Causes STOT SE 3 H335 - May cau Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	I if inhaled skin irritation serious eye irritation use respiratory irritation
Acute Tox. 4 (Inhalation)H332 - HarmfulSkin Irrit. 2H315 - CausesEye Irrit. 2AH319 - CausesSTOT SE 3H335 - May cauFull text of H-phrases: see section 162.2.Label elementsGHS-US labeling	<ul> <li>I if inhaled skin irritation serious eye irritation use respiratory irritation</li> <li>: i i i i i i i i i i i i i i i i i i</li></ul>
Acute Tox. 4 (Inhalation) H332 - Harmful Skin Irrit. 2 H315 - Causes Eye Irrit. 2A H319 - Causes STOT SE 3 H335 - May cau Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	<ul> <li>I if inhaled skin irritation serious eye irritation use respiratory irritation</li> <li>: i i i i i i i i i i i i i i i i i i i</li></ul>

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	P332- P337- P362- P403- P403- P405	<ul> <li>Rinse mouth</li> <li>P313 - If skin irritation occurs: C</li> <li>P313 - If eye irritation persists: 1</li> <li>P364 - Take off contaminated c</li> <li>P233 - Store in a well-ventilated</li> <li>Store locked up</li> <li>Dispose of contents/container to</li> </ul>	Get medical advice/a lothing and wash it b I place. Keep contair	ttention efore reuse er tightly closed
2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US	5)			
Not applicable				
<b>SECTION 3: Composition/informa</b>	tion on in	gredients		
3.1. Substance				
Substance type	: Mono	-constituent		
Name		Product identifier	%	Classification (GHS-US)
1-(3-Bromophenyl)imidazolidin-2-one (Main constituent)		(CAS No) 14088-96-1	<= 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		e of accident or if you feel unwelle possible). Move the affected pe		
First-aid measures after inhalation	: Remo	· ,	comfortable for breat	hing. If not breathing, give artificial
First-aid measures after skin contact	: Wash	with plenty of soap and water. G	Set immediate medica	al advice/attention.
First-aid measures after eye contact	prese	nt and easy to do. Continue rinsi	ng. Get immediate m	
First-aid measures after ingestion		DT induce vomiting. Never give a out with water. Get immediate r		
4.2. Most important symptoms and e				
Symptoms/injuries		nost important known symptoms nd/or in section 11.	and effects are desc	ribed in the labelling (see section
4.3. Indication of any immediate med	ical attentio	n and special treatment neede	d	
Treat symptomatically.				
SECTION 5: Firefighting measures	S			
5.1. Extinguishing media				
Suitable extinguishing media		ol resistant foam. Carbon dioxide priate for surrounding fire.	e. Dry powder. Water	spray. Use extinguishing media
5.2. Special hazards arising from the				
Fire hazard	: Thern	nal decomposition generates: Ca	rbon oxides. Hydrog	en bromide. Nitrogen oxides.
5.3. Advice for firefighters				
Firefighting instructions		e of fire: Evacuate area.		
Protection during firefighting		gas tight chemically protective c atus. For further information refe		n with self contained breathing sure controls/personal protection".
SECTION 6: Accidental release m	easures			
6.1. Personal precautions, protective	equipment	and emergency procedures		
General measures	: Evacu	ate unnecessary personnel. Ens	sure adequate air ver	ntilation. Do not breathe dust.
6.1.1. For non-emergency personnel				
Emergency procedures	: Only o	qualified personnel equipped with	n suitable protective	equipment may intervene.
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6.1.2. For emerger	cy 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. Environmen	al precautions
Avoid release to the en	ironment. Notify authorities if product enters sewers or public waters.
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	າ available
SECTION 7: Hand	ing and storage
7.1. Precautions	or safe handling
Precautions for safe ha	dling : 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 f	or safe storage, 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.
<u><u></u></u>	

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** in lass of

9.1. Information on basic physical ar	nd chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: 132 - 135 °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	: 241.085 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 additional information available	
10.2. Chemical stability	
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 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 cas fire, see Section 5.	e of

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

<b>SECTION 11: Toxicological information</b>
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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 consideration	IS	
13.1. Waste treatment methods		
Waste treatment methods	: Remove to an authorized incinerator equipped with a	an afterburner and a flue gas scrubber.
Waste disposal recommendations	: Dispose of contents/container in accordance with lice	ensed 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		
<b>T</b>		
Transport by sea		
No additional information available		
Air transport		
No additional information available		
SECTION 15: Regulatory information		
15.1. US Federal regulations		
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All components of this product are listed, or exc Substances Control Act (TSCA) inventory except	luded from listing, on the United States Environmental P ot for:	rotection Agency Toxic
1-(3-Bromophenyl)imidazolidin-2-one	CAS No 14088-96-1	100%
	chemical or chemicals in excess of the applicable de m ments of section 313 of Title III of the Superfund Amend	
15.2. International regulations		
CANADA		
<b>15.2. International regulations</b> CANADA No additional information available		
CANADA		

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**

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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 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
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 : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given. NFPA fire hazard : 0 - Materials that will not burn. 0 : 0 - Normally stable, even under fire exposure conditions, NFPA reactivity 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

Physical

- : 0 Minimal Hazard Materials that will not burn
- : 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.