

# 2-(Adamantan-1-yl)-4-bromophenol Safety Data Sheet 2201901 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 08/04/2016 Version: 1.0

SECTION 1: Identification				
1.1. Identification				
Product form : Substance				
Substance name	: 2-(Adamantan-1-yl)-4-bromophenol			
CAS No	: 104224-68-2			
Product code	: 2201-9-01			
Formula	C16H19BrO			
Other means of identification				
1.2. Relevant identified uses of the sub	stance 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	data 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	<u>əm</u>			
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 r				
Classification (GHS-US)				
Classification (GHS-US)				
Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye irrita	ation			
STOT SE 3 H335 - May cause respiratory in				
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)	: H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation			
Precautionary statements (GHS-US)	<ul> <li>P261 - Avoid breathing dust, mist, spray</li> <li>P264 - Wash skin thoroughly after handling</li> <li>P271 - Use only outdoors or in a well-ventilated area</li> <li>P280 - Wear protective gloves/protective clothing/eye protection/face protection</li> <li>P302+P352 - If on skin: Wash with plenty of soap and water</li> <li>P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing</li> <li>P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact</li> <li>lenses, if present and easy to do. Continue rinsing</li> <li>P312 - Call a POISON CENTER or doctor/physician if you feel unwell</li> <li>P321 - Specific treatment (see supplemental first aid instructions on this label)</li> <li>P332+P313 - If skin irritation occurs: Get medical advice/attention</li> <li>P337+P313 - If eye irritation persists: Get medical advice/attention</li> <li>P362+P364 - Take off contaminated clothing and wash it before reuse</li> <li>P403+P233 - Store in a well-ventilated place. Keep container tightly closed</li> <li>P405 - Store locked up</li> <li>P501 - Dispose of contents/container to an approved waste disposal plant</li> </ul>			

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2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/information on ingredients				
3.1. Substance				
Substance type	: Mono	-constituent		
Name		Product identifier	%	Classification (GHS-US)
2-(Adamantan-1-yl)-4-bromophenol (Main constituent)		(CAS No) 104224-68-2	<= 100	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		se of accident or if you feel unwell, seek a possible). Move the affected personnel		
First-aid measures after inhalation		ove person to fresh air and keep comforta ation. Get medical advice/attention.	able for breathir	ng. If not breathing, give artificial
First-aid measures after skin contact	: Wash	with plenty of soap and water. Get med	ical advice/atter	ntion.
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 measures after ingestion		OT induce vomiting. Never give anything n out with water. Get medical advice/atte		unconscious person. Rinse
4.2. Most important symptoms and effects	s, both	acute and delayed		
Symptoms/injuries		nost important known symptoms and effe nd/or in section 11.	ects are describ	ed in the labelling (see section
4.3. Indication of any immediate medical	attentio	n and special treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
	: Alcoh	ol resistant foam. Carbon dioxide. Dry po	owder. Water sp	oray. Use extinguishing media
		priate for surrounding fire.	· · · · · · ·	,
5.2. Special hazards arising from the sub-	stance o	or mixture		
Fire hazard	: Thern	nal decomposition generates: Carbon ox	ides. Hydrogen	bromide.
5.3. Advice for firefighters				
Firefighting instructions	: In cas	se of fire: Evacuate area.		
		gas tight chemically protective clothing i	n combination v	vith self contained breathing
apparatus. For further information refer to section 8: "Exposure controls/personal protection".				
SECTION 6: Accidental release meas				
6.1. Personal precautions, protective equ				
General measures	: Evacu	uate unnecessary personnel. Ensure ade	equate air ventila	ation. Do not breathe dust.
6.1.1. For non-emergency personnel Emergency procedures	· Only	qualified personnel equipped with suitab	e protective ca	linment may intervene
	. Only i	quamer personner equipped with suitable	o protective equ	
6.1.2. For emergency responders				
Protective equipment		ot attempt to take action without suitable to section 8: "Exposure controls/persona		oment. For further information
6.2. Environmental precautions				
Avoid release to the environment. Notify authoritie	es if prod	luct enters sewers or public waters.		
6.3. Methods and material for containment	nt and cl	leaning up		

0.3.	methods and material for containment and cleaning up				
For conta	inment	: Stop leak if safe to do so.			
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Nethods 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 othe	r sections
No additional information ava	lable
SECTION 7: Handling	and storage
7.1. Precautions for s	fe 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 sa	e storage, including any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use.
ncompatible 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 an	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	: 137 - 141 °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	: 307.23 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 additional information available				
<b>SECTION 10: Stability and react</b>	tivity			
10.1. Reactivity				
No additional information available				
10.2. Chemical stability				
The product is stable at normal handling a	ind storage conditions.			
10.3. Possibility of hazardous react	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 bases. Strong oxidizing agents.				
10.6. Hazardous decomposition pro	oducts			
Under normal conditions of storage and us fire, see Section 5.	se, hazardous decomposition products should not be produced. Hazardous decomposition products in case of			
<b>SECTION 11: Toxicological info</b>	rmation			
11.1. Information on toxicological e				

Acute toxicity	: Not classified
Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity	<ul> <li>Causes skin irritation.</li> <li>Causes serious eye irritation.</li> <li>Not classified</li> <li>Not classified</li> </ul>
Carcinogenicity Reproductive toxicity	: Not classified : 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	SECTION 12: Ecological information				
12.1.	Toxicity				
No addit	ional 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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SECTION 13: Disposal consideration	ons
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:

2-(Adamantan-1-yl)-4-bromophenol	CAS No 104224-68-2	100%

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	: 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	: 2 Moderate Hazard - Temporary or minor injury may occur
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.