

1-Bromo-3,5-dimethylbenzene Safety Data Sheet 17009Y4 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Version: 1.0

Date of issue: 03/19/2018

1.1. Identification	
Product form	: Substance
Substance name	: 1-Bromo-3,5-dimethylbenzene
CAS No	: 556-96-7
Product code	: 1700-9-Y4
Formula	: C8H9Br
Synonyms	: 5-Bromo-m-xylene
Other means of identification	: MFCD0000087
1.2. Relevant identified uses of the	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 sa	fety data sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Ameri T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlab	
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identificat	ion
2.1. Classification of the substance	or mixture
Classification (GHS-US)	
Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eyeSTOT SE 3H335 - May cause respirator	irritation
Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eyeSTOT SE 3H335 - May cause respiratorFull text of H-phrases: see section 16	irritation
Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eyeSTOT SE 3H335 - May cause respiratorFull text of H-phrases: see section 162.2.Label elements	irritation
Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye STOT SE 3 H335 - May cause respirator Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling	irritation ry irritation
Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye STOT SE 3 H335 - May cause respirator Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	irritation ry irritation
Eye Irrit. 2A H319 - Causes serious eye STOT SE 3 H335 - May cause respirator Full text of H-phrases: see section 16	irritation ry irritation
Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye STOT SE 3 H335 - May cause respirator Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	 irritation ry irritation : irritation : irritation : irritation : irritation : H227 - Combustible liquid H315 - Causes skin irritation H319 - Causes serious eye irritation

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	P403+P2 P403+P2 P405 - St	78 - In case of fire: Use dry sand, dr 33 - Store in a well-ventilated place. 35 - Store in a well-ventilated place. ore locked up spose of contents/container to an ap	Keep container Keep cool	r tightly closed	tinguish
2.3. Other hazards					
No additional information available					
2.4. Unknown acute toxicity (GHS US)	l.				
Not applicable					
SECTION 3: Composition/informat	ion on ingre	dients			
3.1. Substance					
Substance type	: Mono-cor	nstituent			
Name	Pr	oduct identifier	%	Classification (GHS-U	S)
1-Bromo-3,5-dimethylbenzene (Main constituent)	(C)	AS No) 556-96-7	<= 100	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335	
Full text of H-phrases: see section 16	I		1		
3.2. Mixture					
Not applicable					
SECTION 4: First aid measures					
4.1. Description of first aid measures					
First-aid measures general		accident or if you feel unwell, seek ssible). Move the affected personnel			bel
First-aid measures after inhalation		person to fresh air and keep comfort n. Get medical advice/attention.	able for breathi	ng. If not breathing, give a	rtificial
First-aid measures after skin contact	: Wash with	n plenty of soap and water. Get med	lical advice/atte	ntion.	
First-aid measures after eye contact	present a	ely flush eyes thoroughly with water nd easy to do. Continue rinsing. Get	medical advice	e/attention.	
First-aid measures after ingestion		nduce vomiting. Never give anything t with water. Get medical advice/atte		n unconscious person. Rin	se
4.2. Most important symptoms and eff					
Symptoms/injuries		important known symptoms and effert in section 11.	ects are describ	ed in the labelling (see se	ction
4.3. Indication of any immediate medie	cal attention ar	d special treatment needed			
Treat symptomatically.					
SECTION 5: Firefighting measures	i				
5.1. Extinguishing media					
Suitable extinguishing media		esistant foam. Carbon dioxide. Dry p te for surrounding fire.	owder. Water s	pray. Use extinguishing m	edia
5.2. Special hazards arising from the s	substance or m	ixture			
Fire hazard	: Thermal of	decomposition generates: Carbon ox	ides. Hydrogen	bromide.	
Explosion hazard		plosion if heated under confinement s. May form flammable/explosive va		ay or fog for cooling expo	sed
5.3. Advice for firefighters					
Firefighting instructions	: In case of	fire: Evacuate area. Fight fire remo	tely due to the r	isk of explosion.	
Protection during firefighting		tight chemically protective clothing is. For further information refer to see			
SECTION 6: Accidental release me	asures				
6.1. Personal precautions, protective	equipment and	emergency procedures			
General measures	: Evacuate vapor or s	unnecessary personnel. Ensure ade spray.	equate air ventil	lation. Do not breathe gas	fumes,
6.1.1. For non-emergency personnel Emergency procedures	: Only qual	ified personnel equipped with suitab	le protective eq	uipment 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".
Emergency procedures	: Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level. Consider the risk of potentially explosive atmospheres. Eliminate every possible source of ignition.
6.2. Environmental precautions	
Avoid release to the environment. Notify a	uthorities if product enters sewers or public waters.
6.3. Methods and material for cont	tainment and cleaning up
For containment	: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.
Methods for cleaning up	: Take up large spills with pump or vacuum and finish with dry chemical absorbent. Use explosion-proof equipment. Take up small spills with dry chemical absorbent. Sweep or shovel spills into appropriate container for disposal. Ventilate area.
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 stora	ige
7.1. Precautions for safe handling	
Additional hazards when processed	: Handle empty containers with care because residual vapors are flammable.
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 fumes, mist, spray, vapors. Wear personal protective equipment. Avoid contact with skin and eyes. Keep away from ignition sources (including static discharges). Proper grounding procedures to avoid static electricity should be followed. Use only non-sparking tools.
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, in	ncluding any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use. Keep away from ignition sources.
Incompatible materials	: Refer to Section 10 on Incompatible Materials.
Storage area	: Store in dry, cool, well-ventilated area.

SECTIO	DN 8: Exposure controls/personal protection
8.1.	Control parameters
No additio	onal 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 0: Physical and chom	ical properties

SECTION 9: Physical and chemical properties			
9.1. Information on basic	9.1. Information on basic physical and chemical properties		
Physical state	: Liquid		
Color	: No data available		
Odor	: No data available		
Odor threshold	: No data available		
рН	: No data available		
Melting point	: No data available		
Freezing point	: No data available		

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Boiling point	: 202 - 204 °C
Flash point	: 87 °C
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
Specific gravity / density	: 1.361 g/ml (@ 25 °C)
Molecular mass	: 185.061 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	

Refractive index

: 1.5462 (@ 25 °C)

SECTION 10: Stability and reactivity

10.1.	Reactivity	
No additi	onal information available	
10.2.	Chemical stability	
The prod	uct is stable at normal handling and stora	age conditions.
10.3.	Possibility of hazardous reactions	
No additi	onal information available	
10.4.	Conditions to avoid	
•	ay from heat, sparks and flame.	
10.5.	Incompatible materials	
Strong ox	kidizing agents.	
10.6.	Hazardous decomposition products	
Under no fire, see \$	0	rdous decomposition products should not be produced. Hazardous decomposition products in case of
SECTIO	DN 11: Toxicological information	on
11.1.	Information on toxicological effects	
Acute tox	icity	: Not classified
Skin corre	osion/irritation	: Causes skin irritation.
Serious e	ye damage/irritation	: Causes serious eye irritation.
	bry or skin sensitization	: Not classified
respirate		

Germ cell mutagenicity: Not classifiedCarcinogenicity: Not classifiedReproductive toxicity: Not classifiedSpecific target organ toxicity (single exposure): May cause respiratory irritation.Specific target organ toxicity (repeated exposure): Not classified

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SECT	ION 12: Ecological information
12.1.	Toxicity
No addi	tional information available
12.2.	Persistence and degradability
No addi	tional information available
12.3.	Bioaccumulative potential
No addi	tional information available
12.4.	Mobility in soil
No addi	tional information available
12.5.	Other adverse effects
No addi	tional information available

SECTION 13: Disposal consideration	S
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	
ocorrow 14. manaport mormation	
Department of Transportation (DOT)	
In accordance with DOT	
Transport document description	: NA1993 Combustible liquid, n.o.s., 3, III
UN-No.(DOT)	: NA1993
Proper Shipping Name (DOT)	: Combustible liquid, n.o.s.
Transport hazard class(es) (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Packing group (DOT)	: III - Minor Danger
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 241
DOT Symbols	: D - Proper shipping name for domestic use only, or to and from Canada, G - Identifies PSN
	requiring a technical name
DOT Special Provisions (49 CFR 172.102)	 IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HD2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T1 - 1.5 178.274(d)(2) Normal
	following: Degree of filling = $97 / 1 + a$ (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
Other information	: No supplementary information available.
TDG	
No additional information available	
Transport by sea	
No additional information available	

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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-Bromo-3.5-dimethylbenzene CAS No 556-96-7 100%		
	CAS No 556-96-7	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

1-Bromo-3,5-dimethylbenzene (556-96-7)
Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on the TCSI (Taiwan Chemical Substance Inventory)

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:

Full tex	t of H-phrases:	
	Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
	Flam. Liq. 4	Flammable liquids Category 4
	Skin Irrit. 2	Skin corrosion/irritation Category 2
	STOT SE 3	Specific target organ toxicity (single exposure) Category 3
	H227	Combustible liquid
	H315	Causes skin irritation
	H319	Causes serious eye irritation
	H335	May cause respiratory irritation
NFPA f	nealth hazard ire hazard reactivity	 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given. 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur. 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		: 2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F but below 200 F. (Classes II & IIIA)
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.