

5-Bromo-2-methylbenzotrifluoride Safety Data Sheet 1800B59 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 04/12/2016 Version: 1.0

		-	
SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: 5-Bromo-2-methylbenzotri	luoride	
CAS No	: 86845-27-4		
Product code	: 1800-B-59		
Formula	: C8H6BrF3		
Synonyms	: 4-Bromo-1-methyl-2-(trifluo	romethyl)benzene	
Other means of identification	: MFCD01631587		
	substance or mixture and uses a	lvised against	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and dev		
1.3. Details of the supplier of the sa			
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Amer T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlab	rica		
1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Comp	any - Account 10069)	
Eye Irrit. 2A H319 - Causes serious eye STOT SE 3 H335 - May cause respirato 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)	: H227 - Combustible liquid H315 - Causes skin irritatio H319 - Causes serious eye H335 - May cause respirat	irritation	
Precautionary statements (GHS-US)	P261 - Avoid breathing fun P264 - Wash skin thorougl P271 - Use only outdoors of P280 - Wear protective glo P302+P352 - If on skin: W P304+P340 - If inhaled: Re P305+P351+P338 - If in ey lenses, if present and easy P312 - Call a POISON CE P321 - Specific treatment of P332+P313 - If skin irritatio P337+P313 - If eye irritatio	Ily after handling or in a well-ventilated area ves/protective clothing/eye protection/face protectio ash with plenty of soap and water move person to fresh air and keep comfortable for res: Rinse cautiously with water for several minutes	breathing s. Remove contac
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	P403+P2 P403+P2 P405 - S	378 - In case of fire: Use dry sand, dr 233 - Store in a well-ventilated place. 235 - Store in a well-ventilated place. itore locked up pispose of contents/container to an ap	Keep container Keep cool	tightly closed
2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US	S)			
Not applicable				
SECTION 3: Composition/informa	ation on ingre	edients		
3.1. Substance				
Substance type	: Mono-co	nstituent		
Name	P	roduct identifier	%	Classification (GHS-US)
5-Bromo-2-methylbenzotrifluoride (Main constituent)	(0	CAS No) 86845-27-4	<= 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				
3.2. Mixture				
Not applicable				
SECTION 4: First aid measures				
4.1. Description of first aid measure				
First-aid measures general	where po	of accident or if you feel unwell, seek ossible). Move the affected personne	I away from the	contaminated area.
First-aid measures after inhalation	respiratio	Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get medical advice/attention.		
First-aid measures after skin contact		Wash with plenty of soap and water. Get medical advice/attention.		
First-aid measures after eye contact	present a	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	: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.			
	effects, both acute and delayed			
Symptoms/injuries	2.2) and	: 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 med Treat symptomatically.	dical attention a	nd special treatment needed		
SECTION 5: Firefighting measure	s			
5.1. Extinguishing media				
Suitable extinguishing media		esistant foam. Carbon dioxide. Dry p ate for surrounding fire.	owder. Water s	pray. Use extinguishing media
5.2. Special hazards arising from the	e substance or r	nixture		
Fire hazard	: Thermal	decomposition generates: Carbon or	kides. Hydrogen	bromide. Hydrogen fluoride.
Explosion hazard		: Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed containers. May form flammable/explosive vapor-air mixture.		
5.3. Advice for firefighters				
Firefighting instructions	: In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.			
Protection during firefighting		s tight chemically protective clothing is. For further information refer to see		
SECTION 6: Accidental release m				
6.1. Personal precautions, protective				lation Demother if the
General measures	: Evacuate vapor or	e unnecessary personnel. Ensure ad spray.	equate air ventil	ation. Do not breathe gas, fumes,
6.1.1. For non-emergency personnel				
Emergency procedures		alified personnel equipped with suitab	le protective eq	uipment may intervene.
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6.1.2.	For emergency responders	
Protectiv	ve equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emerge	ncy 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 re	elease to the environment. Notify author	es if product enters sewers or public waters.
6.3.	Methods and material for containm	nt and cleaning up
For cont	tainment	: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.
Methods	s 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 in	formation	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
6.4.	Reference to other sections	
No addit	tional information available	
SECTI	ION 7: Handling and storage	
7.1.	Precautions for safe handling	
Precauti	ions 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.
Hygiene	emeasures	: 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, includ	g any incompatibilities
Technic	al measures	: Comply with applicable regulations.
Storage	conditions	: Keep container closed when not in use.
Incompa	atible 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 and	chemical properties	
Physical state	: Liquid	
Color	: No data available	
Odor	: No data available	
Odor threshold	: No data available	
pH	: No data available	
Melting point	: No data available	
Freezing point	: No data available	
Boiling point	: No data available	
Flash point	: 70 °C	

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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	: 239.03 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 add	itional information available
SECT	ION 10: Stability and reactivity
10.1.	Reactivity
No add	itional information available
10.2.	Chemical stability
The pro	oduct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No add	itional information available
10.4.	Conditions to avoid
Keep a	way from heat, sparks and flame.
10.5.	Incompatible materials
Strong	oxidizing agents.
10.6.	Hazardous decomposition products
	normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of e Section 5.

SECTI	TION 11: Toxicological information	
11.1.	Information on toxicological 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

SECTIO	ON 12: Ecological information		
12.1.	Toxicity		
No additi	onal information available		

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12.2.	Persistence and degradability		
No addi	No additional information available		
12.3.	Bioaccumulative potential		
No addi	tional information available		
12.4.	Mobility in soil		
No additional information available			
12.5.	Other adverse effects		
No additional information available			

13.1 Waste treatment methods Image: Second Secon	SECTION 13: Disposal consideration	8
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 : Recycle the material as far as possible. Department of Transport and function (DOT) : NA1993 Combustible liquid, n.o.s., 3, III UN-No.(DOT) : NA1993 Proper Shipping Name (DOT) : Combustible liquid, n.o.s. Transport dazer dass(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) : 2 203 DOT Packaging Non Bulk (49 CFR 173.xxx) : 2 241 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 (31H2 and 31HA2, 31HB2, 31HA2, 31HB2, 31HA2, 3HB2, 3HLA2, 3HB2, 3HLA2		
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DOT Quantity Limitations Passenger aircraft/rail : 60 L (49 CFR 173.27)	DOT Special Provisions (49 CFR 172.102)	 (31HZ1 and 31HA2, 31HB2, 31HN2, 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
(49 CFR 175.27) DOT Quantity Limitations Cargo aircraft only (49 : 220 L CFR 175.75) DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.	DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
CFR 175.75) DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.		: 60 L
passenger vessel.		: 220 L
Other information : No supplementary information available.	DOT Vessel Stowage Location	
	Other information	: No supplementary information available.
TDG	TDG	
No additional information available		

Transport by sea

No additional information available

Air transport

No additional information available

Safety Data Sheet

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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:

5-Bromo-2-methylbenzotrifluoride CAS No 86845-27-4 100%		
	CAS No 86845-27-4	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:

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 H227		Specific target organ toxicity (single exposure) Category 3	
		Combustible liquid	
	H315	Causes skin irritation	
	H319	Causes serious eye irritation	
	H335	May cause respiratory irritation	
NFPA	health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.	
		: 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.	
NFPA reactivity : 0 - Normally		: 0 - Normally stable, even under fire exposure conditions,	

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.

and are not reactive with water.

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.