

4-(2-Bromoallyl)-2-fluorotoluene Safety Data Sheet 1900B09 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 04/25/2017 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 4-(2-Bromoallyl)-2-fluorotoluene
CAS No	: 842140-41-4
Product code	: 1900-B-09
Formula	: C10H10BrF
Synonyms	: 4-(2-Bromoprop-2-en-1-yl)-2-fluoro-1-methylbenzene
Other means of identification	: MFCD06201212
.2. Relevant identified uses of the	substance or mixture and uses advised against
Jse of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development
I.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 F (386) 462-0788 - F (386) 462-7097 nfo@synquestlabs.com - www.synquestlab	
1.4. Emergency telephone number	<u>3.00m</u>
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
2.1. Classification of the substance Classification (GHS-US) Skin Irrit. 2 H315 - Causes skin irritation	
Classification (GHS-US)         Skin Irrit. 2       H315 - Causes skin irritation         Eye Irrit. 2A       H319 - Causes serious eye         STOT SE 3       H335 - May cause respirato	ו irritation
Classification (GHS-US) Skin Irrit. 2 H315 - Causes skin irritatior Eye Irrit. 2A H319 - Causes serious eye STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16	ו irritation
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2.2 Other bazards					
2.3. Other hazards No additional information available					
2.4. Unknown acute toxicity (GHS US)					
Not applicable					
SECTION 3: Composition/informat	ion on in	aradianta			
3.1. Substance		gredients			
Substance type	· Mono	-constituent			
••	. 10010				-
A-(2-Bromoallyl)-2-fluorotoluene		Product identifier (CAS No) 842140-41-4	<b>%</b> <= 100	Classification (GHS-US) Skin Irrit. 2, H315	-
(Main constituent)		(CAS NO) 042 140-41-4	<= 100	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 unwell, seek possible). Move the affected personnel			
First-aid measures after inhalation		ve person to fresh air and keep comfort ation. Get medical advice/attention.	able for breathing	g. If not breathing, give artificial	
First-aid measures after skin contact	: Wash	with plenty of soap and water. Get med	ical advice/atten	tion.	
First-aid measures after eye contact		diately flush eyes thoroughly with water nt and easy to do. Continue rinsing. Get			f
First-aid measures after ingestion		DT induce vomiting. Never give anything out with water. Get medical advice/atte		unconscious person. Rinse	
4.2. Most important symptoms and ef	fects, both	acute and delayed			
Symptoms/injuries		nost important known symptoms and effe nd/or in section 11.	ects are describe	d in the labelling (see section	
4.3. Indication of any immediate medi	cal attentio	n and special treatment needed			
Treat symptomatically.					
SECTION 5: Firefighting measures					
5.1. Extinguishing media					
Suitable extinguishing media		ol resistant foam. Carbon dioxide. Dry p priate for surrounding fire.	owder. Water sp	ray. Use extinguishing media	
5.2. Special hazards arising from the	substance o	or mixture			
Fire hazard	: Thern	nal decomposition generates: Carbon ox	ides. Hydrogen l	promide. Hydrogen fluoride.	
Explosion hazard	: Risk o conta	of explosion if heated under confinement iners.	. Use water spra	y or fog for cooling exposed	
5.3. Advice for firefighters					
Firefighting instructions	: In cas	e of fire: Evacuate area. Fight fire remo	tely due to the ris	sk of explosion.	
Protection during firefighting		gas tight chemically protective clothing i			
	appar	atus. For further information refer to sec	uon o. Exposure	e controis/personal protection".	
<b>SECTION 6: Accidental release me</b>	asures				
6.1. Personal precautions, protective equipment and emergency procedures					
General measures		late unnecessary personnel. Ensure ade or spray.	equate air ventila	tion. Do not breathe gas, fumes,	
6.1.1. For non-emergency personnel					
Emergency procedures	: Only	qualified personnel equipped with suitab	le protective equ	ipment may intervene.	
6.1.2. For emergency responders					
Protective equipment		t attempt to take action without suitable o section 8: "Exposure controls/persona		ment. For further information	
Emergency procedures			<i>c</i> 1		4
	: Gas/v level.	apor heavier than air. May accumulate i	n confined space	es, particularly at or below ground	4

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6.2. Environmental precautions			
Avoid release to the environment. Notify aut	horities if product enters sewers or public waters.		
6.3. Methods and material for contai	nment 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 storage			
7.1. Precautions for safe 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 fumes, mist, spray, vapors. 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 safe storage, incl	luding any incompatibilities		
Technical measures	: Comply with applicable regulations.		
Storage conditions	: Keep container closed when not in use. Keep contents under inert gas.		
Incompatible materials	: Refer to Section 10 on Incompatible Materials.		
Storage temperature	: 2 - 8 °C Use explosion proof refrigerator		

Storage area : Store in dry, 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
рН	: No data available
Melting point	: No data available
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
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Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Molecular mass	: 229.09 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

SECT	ION 10: Stability and reactivity			
10.1.	Reactivity			
No addi	No additional information available			
10.2.	Chemical stability			
The pro	duct is stable at normal handling and storage conditions.			
10.3.	Possibility of hazardous reactions			
No addi	tional information available			
10.4.	Conditions to avoid			
Keep av	way 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 fire, see Section 5.

11.1. Information on toxicological effects	5
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

12.1.	Toxicity
No additi	onal information available
12.2.	Persistence and degradability
No additi	onal information available
12.3.	Bioaccumulative potential
No additi	onal information available

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#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

No additional information available

13.1. Waste treatment methods		
Waste treatment methods	: Remove to an authorized incinerat	tor equipped with an afterburner and a flue gas scrubber.
Waste disposal recommendations	: Dispose of contents/container in a	ccordance with licensed collector's sorting instructions.
Additional information	: Recycle the material as far as pos	sible.
SECTION 14: Transport informa	ion	
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 inform	ation	
15.1. US Federal regulations		
	or excluded from listing, on the United State except for:	es Environmental Protection Agency Toxic
4-(2-Bromoallyl)-2-fluorotoluene	CAS No 842140	)-41-4 100%

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:

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	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was 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	: 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)	
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.