

2-Fluoro-4-nitrobenzyl bromide

Safety Data Sheet 4754B04

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 05/16/2018 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 2-Fluoro-4-nitrobenzyl bromide
CAS No	: 127349-56-8
Product code	: 4754-B-04
Formula	: C7H5BrFNO2
Synonyms	: 1-(Bromomethyl)-2-fluoro-4-nitrobenzene; alpha-Bromo-2-fluoro-4-nitrotoluene
Other means of identification	: MFCD10000853
.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 Γ (386) 462-0788 - F (386) 462-7097 nfo@synquestlabs.com - www.synquestlab	
I.4. Emergency telephone number	
mergency number	: (844) 523-4086 (3E Company - Account 10069)
Classification of the substanceClassification (GHS-US)Skin Corr. 1BH314 - Causes severe skiEye Dam. 1H318 - Causes serious eySTOT SE 3H335 - May cause respiratFull text of H-phrases: see section 16	n burns and eye damage e damage
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	HS05 GHS07
Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	: H314 - Causes severe skin burns and eye damage H335 - May cause respiratory irritation
Precautionary statements (GHS-US)	 P260 - Do not breathe dust, mist, spray P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

lenses, if present and easy to do. Continue rinsing P310 - Immediately call a POISON CENTER or doctor/ physician

P321 - Specific treatment (see supplemental first aid instructions on this label) P363 - Wash contaminated clothing before reuse

P403+P233 - Store in a well-ventilated place. Keep container tightly closed

P405 - Store locked up P501 - Dispose of contents/container to an approved waste disposal plant

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2.3. Other hazards		
Other hazards not contributing to the classification	: Lachrymator.	
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-Fluoro-4-nitrobenzyl bromide (Main constituent)	(CAS No) 127349-56-8	<= 100 Skin Corr. 1B, H314 Eye Dam. 1, H318 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	: In case of accident or if you feel unwell, seek n where possible). Move the affected personnel a	
First-aid measures after inhalation	: Remove person to fresh air and keep comforta respiration. Get immediate medical advice/atte	
First-aid measures after skin contact	: Wash with plenty of soap and water. Remove of medical advice/attention.	contaminated clothing and shoes. Get immediate
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for present and easy to do. Continue rinsing. Get it	
First-aid measures after ingestion	: Do NOT induce vomiting. Never give anything mouth out with water. Get immediate medical a	
4.2. Most important symptoms and effects	s, both acute and delayed	
Symptoms/injuries	: The most important known symptoms and effer 2.2) and/or in section 11.	cts are described in the labelling (see section
Symptoms/injuries after inhalation	: Material is destructive to tissue of the mucuous shortness of breath, headache, nausea.	membranes and upper respiratory tract. Cough,
4.3. Indication of any immediate medical a	attention and special treatment needed	
Treat symptomatically.		
SECTION 5: Firefighting measures		
5.1. Extinguishing media		
	Alcohol resistant foam. Carbon dioxide. Dry po appropriate for surrounding fire.	wder. Water spray. Use extinguishing media
5.2. Special hazards arising from the subs	stance or mixture	
Fire hazard	: Thermal decomposition generates: Carbon oxid Nitrogen oxides.	des. Hydrogen bromide. Hydrogen fluoride.
5.3. Advice for firefighters		
Firefighting instructions	In case of fire: Evacuate area.	
Protection during firefighting	: Wear gas tight chemically protective clothing ir apparatus. For further information refer to section	
SECTION 6: Accidental release measure	ıres	
6.1. Personal precautions, protective equi		
	Evacuate unnecessary personnel. Ensure ade	quate air ventilation. Do not breathe dust.
6.1.1. For non-emergency personnel Emergency procedures	Only qualified personnel equipped with suitable	e protective equipment may intervene.
6.1.2. For emergency responders		
	: Do not attempt to take action without suitable p refer to section 8: "Exposure controls/personal	

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6.2. Environmental precautions	
Avoid release to the environment. Notify authoritie	es if product enters sewers or public waters.
6.3. Methods and material for containme	nt 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 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 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 safe storage, includin	g 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.
Storage area	: Store in dry, cool, well-ventilated area. Light sensitive.
SECTION 8: Exposure controls/perso	onal protection

Control parameters 8.1.

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	: Solid
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
Vapor pressure	: No data available
Relative density	: No data available

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Relative vapor density at 20 °C	: No data available
Molecular mass	: 234.023 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

SECTIO	ON 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 storage conditions.
10.3.	Possibility of hazardous reactions
No additi	onal information available
10.4.	Conditions to avoid
Keep awa	ay from heat, sparks and flame.
10.5.	Incompatible materials
Strong ox	xidizing 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.

SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes severe skin burns and eye damage.
Serious eye damage/irritation	: Causes serious eye damage.
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

Symptoms/injuries after inhalation

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

shortness of breath, headache, nausea.

:

Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough,

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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		
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		
Transport document description	UN3261 Corrosive solid, acidic, organic, n.o.s., 8, II	
UN-No.(DOT)	UN3261	
Proper Shipping Name (DOT)	Corrosive solid, acidic, organic, n.o.s.	
Transport hazard class(es) (DOT)	8 - Class 8 - Corrosive material 49 CFR 173.136	
Hazard labels (DOT)	8 - Corrosive	
	8	
Packing group (DOT)	II - Medium Danger	
DOT Packaging Non Bulk (49 CFR 173.xxx)	212	
DOT Packaging Bulk (49 CFR 173.xxx)	240	
DOT Symbols	G - Identifies PSN requiring a technical name	
DOT Special Provisions (49 CFR 172.102)	 IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21HZ1, 21HZ2, 31HZ1 and 31HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2). IP2 - When IBCs other than metal or rigid plastics IBCs are used, they must be offered for transportation in a closed freight container or a closed transport vehicle. IP4 - Flexible, fiberboard or wooden IBCs must be sift-proof and water-resistant or be fitted with a sift-proof and water-resistant liner. T3 - 2.65 178.274(d)(2) Normal	I
DOT Packaging Exceptions (49 CFR 173.xxx)	154	
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	тэ кд	
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	50 kg	
DOT Vessel Stowage Location	B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" or passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.	'n

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 Other information
 : No supplementary information available.

 TDG

 No additional information available

Transport by sea

UN-No. (IMDG)	: 3261
Proper Shipping Name (IMDG)	: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.
Class (IMDG)	: 8 - Corrosive substances
Packing group (IMDG)	: II - substances presenting medium danger
Air transport	
UN-No. (IATA)	: 3261
Proper Shipping Name (IATA)	: Corrosive solid, acidic, organic, n.o.s.
Class (IATA)	: 8 - Corrosives
Packing group (IATA)	: II - Medium Danger

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-Fluoro-4-nitrobenzyl bromide

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.

CAS No 127349-56-8

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 Dam. 1	Serious eye damage/eye irritation Category 1
Skin Corr. 1B	Skin corrosion/irritation Category 1B
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H335	May cause respiratory irritation

NFPA health hazard

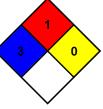
NFPA fire hazard

NFPA reactivity

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

: 1 - Must be preheated before ignition can occur.

: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



100%

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HMIS III Rating	
Health	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
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.