

Safety Data Sheet

FC13-B764m

3-(1,1,2,2-Tetrafluoroethoxy)bromobenzene

Revised 14-November-2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name 3-(1,1,2,2-Tetrafluoroethoxy)bromobenzene

Catalog Number FC13-B764m

Supplier Fluoryx Labs

3650 Research Way, #22 Carson City, NV 89706

USA

Emergency call: +01-813-248-0585 (International)

+1-800-255-3924 (USA)

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards

OSHA Hazards

No known OSHA hazards

Skin irritation (Category 2)

Eye irritation (Category 2A)

Specific target organ toxicity - single exposure

(Category 3)

GHS Label elements, including precautionary statements

!>

Pictogram
Signal word
Warning

Hazard statement(s)

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/

spray.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several

minutes. Remove contact lenses, if present and

easy to do. Continue rinsing.

Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory

Precautions for safe handling

tract irritation.

Skin May be harmful if absorbed through skin. May cause

skin irritation.

Eyes May cause eye irritation.
Ingestion May be harmful if swallowed.

3. COMPOSITION AND INFORMATION ON COMPONENTS

Synonyms: HFE-B764p;

1-Bromo-3-(1,1,2,2-tetrafluoroethoxy)-benzene

Chemical formula: $m\text{-BrC}_6H_4OCF_2CF_2H$

 $C_8H_5BrF_4O$

Material	Molecular Weight	TSCA	EINECS #	CAS#	
3-(1,1,2,2-Tetrafluoroethoxy)bromobenzene	273.03	Not listed	None	527751-45-7	
4. FIRST AID MEASURES					
General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.				
If inhaled	breathing	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.			
In case of skin contact		Wash off with soap and plenty of water. Consult a physician.			
In case of eye contact		Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.			
If swallowed	person. F	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.			
5. FIRE FIGHTING MEASURES					
Suitable extinguishing media		Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.			
Special protective equipment for firefighters		Wear self contained breathing apparatus for fire fighting if necessary.			
Hazardous combustion products		Hazardous decomposition products formed under fire conditions - carbon oxides, hydrogen fluoride			
6. ACCIDENTAL RELEASE MEASURES					
Personal precautions	vapors, n	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.			
Environmental precautions	Do not le	t product enter o	ter drains.		
Methods and materials for containment and cleaning up	as hazard	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.			
7. HANDLING AND STORAGE					

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Normal measures for preventive fire

protection.

Conditions for safe storage

Keep container tightly closed in a dry and wellventilated place. Containers that are opened must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection Where risk assessment shows air-purifying

respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection Handle with gloves. Gloves must be inspected prior

to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection Safety glasses with side-shields conforming to

EN166 Use equipment for eye protection tested and approved under appropriate government standards

such as NIOSH (US) or EN 166(EU).

Skin and body protection Impervious clothing. The type of protective

equipment must be selected according to the concentration and amount of the dangerous

substance at the specific workplace.

Hygiene measures Handle in accordance with good industrial hygiene

and safety practice. Wash hands before breaks and

at the end of workday.

No data available

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form Clear liquid Color Colorless

Safety Data pH

Melting Point/Freezing Point

Boiling Point

Flash Point

Ignition Temperature

Auto-ignition Temperature

Lower Explosion Limit

No data available

Thermal Decomposition Temperature
Vapor Pressure
Refractive Index
Density
No data available
No data available
1.46 at 25 °C
1.62 g/mL at 28 °C

Solubility in Water Negligible

FC13-B764m SDS

Partition Coefficient (*n*-octanol/water)
Relative Vapor Density (Air = 1)
Odor
Odor
No data available
No data available
No data available
Evaporation Rate
No data available

10. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.

Possibility of hazardous reactionsNone known.Conditions to avoidDirect sunlight.

Materials to avoid Strong oxidizing agents. Strong acids and bases.

Hazardous decomposition products

Hazardous decomposition products formed under

fire conditions - carbon oxides, hydrogen fluoride.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50 No data available
Inhalation LC50 No data available
Dermal LD50 No data available
Other information on acute toxicity No data available

Skin corrosion/irritation No data available

Serious eye damage/eye irritation

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

OSHA:

IARC: No component of this product present at levels

greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen

by IARC.

ACGIH: No component of this product present at levels

greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels

greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

known of anticipated carcinogen by NTT.

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No data available

Teratogenicity

No data available

Specific target organ toxicity - single exposure (Globally Harmonized System)

Inhalation May cause respiratory irritation.

Specific target organ toxicity - repeated exposure (Globally Harmonized System)

No data available

Aspiration hazard No data available

Potential health effects

Inhalation May be harmful if inhaled. May cause respiratory

tract irritation.

Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause

skin irritation.

Eyes May cause eye irritation.

Signs and Symptoms of Exposure To the best of our knowledge, the chemical,

physical, and toxicological properties have not been

thoroughly investigated.

Synergistic effects

No data available

Additional Information

RTECS: Not available

12. ECOLOGICAL INFORMATION

Toxicity

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

PBT and vPvB assessment

No data available

Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

Product Offer surplus and non-recyclable solutions to a

licensed disposal company or contact Fluoryx to

return unused product.

Contaminated packaging Dispose of as unused product.

14. TRANSPORTATION INFORMATION

DOT (US)Not dangerous goodsIMDGNot dangerous goodsIATANot dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards No known OSHA hazards

SARA 302 Components

No chemicals in this material are subject to the

reporting requirements of SARA Title III, Section 302.

SARA 313 Components This material does not contain any chemical

components with known CAS numbers that exceed the threshold (De Minimis) reporting levels

established by SARA Title III, Section 313.

SARA 311/312 Hazards No SARA Hazards

Right to Know Act.

Pennsylvania Right To Know Components

No components are subject to the Pennsylvania Right

to Know Act.

New Jersey Right To Know Components

No components are subject to the New Jersey Right

to Know Act.

California Prop. 65 Components

This product does not contain any chemicals known

to State of California to cause cancer, birth defects, or

any other reproductive harm.

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16. OTHER INFORMATION

HMIS Classification

Health hazard:	1
Flammability:	0
Physical hazards:	0

NFPA Rating

Health hazard: 1
Fire: 0
Reactivity Hazard: 0

Legal Disclaimer:

For R&D use only. Not for drug, household, or other uses. The previous information is based upon our current knowledge and experience of our product and is not exhaustive. It applies to the product as defined by the specifications. In case of combinations or mixtures, one must confirm that no new hazards are likely to exist. In any case, the user is not exempt from observing all legal, administrative and regulatory procedures relating to the product, personal hygiene, and integrity of the work environment. Unless noted to the contrary, the technical information applies only to pure product.

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End of SDS