

# **3-Fluorophenacyl bromide** Safety Data Sheet 2617B03 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 01/21/2016 Version: 1.0

SECTION 1: Identification	
I.1. Identification	
Product form	: Substance
Substance name	: 3-Fluorophenacyl bromide
CAS No	: 53631-18-8
Product code	: 2617-B-03
Formula	: C8H6BrFO
Synonyms	: 2-Bromo-3'-fluoroacetophenone
Other means of identification	: MFCD00109756
	ubstance 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 safe	ety data sheet
SynQuest Laboratories, Inc. Ο. Box 309 Alachua, FL 32615 - United States of Americ Γ (386) 462-0788 - F (386) 462-7097 nfo@synguestlabs.com - www.synguestlabs	
I.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
<i>. . .</i>	
SECTION 2: Hazard(s) identificati	on
2.1. Classification of the substance of	or mixture
Classification of the substance ofClassification (GHS-US)Skin Corr. 1BH314 - Causes severe skinEye Dam. 1H318 - Causes serious eyeSTOT SE 3H335 - May cause respiratoFull text of H-phrases: see section 16	burns and eye damage damage
Classification (GHS-US)Skin Corr. 1BH314 - Causes severe skinEye Dam. 1H318 - Causes serious eyeSTOT SE 3H335 - May cause respirato	burns and eye damage damage
Classification (GHS-US)         Skin Corr. 1B       H314 - Causes severe skin         Eye Dam. 1       H318 - Causes serious eye         STOT SE 3       H335 - May cause respirate         Full text of H-phrases: see section 16         2.2.       Label elements	burns and eye damage damage ory irritation
Classification (GHS-US) Skin Corr. 1B H314 - Causes severe skin Eye Dam. 1 H318 - 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)	burns and eye damage damage ory irritation
Classification (GHS-US)         Skin Corr. 1B       H314 - Causes severe skin         Eye Dam. 1       H318 - Causes serious eye         STOT SE 3       H335 - May cause respirate         Full text of H-phrases: see section 16         2.2.       Label elements         GHS-US labeling	burns and eye damage damage ory irritation

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2.3. Other hazards				
Other hazards not contributing to the lassification	: Lachrymator.			
2.4. Unknown acute toxicity (GHS US	S)			
Not applicable				
SECTION 3: Composition/informa	ation on ingredients			
3.1. Substance				
Substance type	: Mono-constituent			
Name	Product identifier	%	Classification (GHS-US)	
3-Fluorophenacyl bromide (Main constituent)	(CAS No) 53631-18-8	<= 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	S			
First-aid measures general	: In case of accident or if you feel un where possible). Move the affected			
First-aid measures after inhalation	: Remove person to fresh air and ke respiration. Get immediate medical		hing. If not breathing, give artificial	
First-aid measures after skin contact	: Wash with plenty of soap and wate medical advice/attention.		C .	
First-aid measures after eye contact		: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate 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 immediate medical advice/attention.			
4.2. Most important symptoms and e	effects, both acute and delayed			
Symptoms/injuries	: The most important known sympton 2.2) and/or in section 11.	ms and effects are desci	ibed in the labelling (see section	
Symptoms/injuries after inhalation	: Material is destructive to tissue of t shortness of breath, headache, nat		s and upper respiratory tract. Cough,	
4.3. Indication of any immediate med	dical attention and special treatment nee	ded		
Treat symptomatically.				
SECTION 5: Firefighting measure	S			
5.1. Extinguishing media				
Suitable extinguishing media	ble extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.			
5.2. Special hazards arising from the	e substance or mixture			
Fire hazard	·			
5.3. Advice for firefighters				
Firefighting instructions	: In case of fire: Evacuate area.			
rotection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".				
SECTION 6: Accidental release m	easures			
6.1. Personal precautions, protective	e equipment and emergency procedures			
General measures	: Evacuate unnecessary personnel.	Ensure adequate air ven	tilation. Do not breathe dust.	
6.1.1. For non-emergency personnel	· Only qualified percented equipsed	with quitable protective -	quipmont movinteriors	
<b>U V I</b>	: Only qualified personnel equipped	with suitable protective e	quipment may intervene.	
Emergency procedures				

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Emergency procedures	: Avoid raising dust. When mixed with air and exposed to an ignition source, dust may burn in the open air or explode if confined. Eliminate every possible source of ignition.
6.2. Environmental precautions	
Avoid release to the environment. Notify authoriti	ies if product enters sewers or public waters.
6.3. Methods and material for containme	ent 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	
Additional hazards when processed	: When mixed with air and exposed to an ignition source, dust may burn in the open air or explode if confined.
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. 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, including	ng any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use. Keep away from ignition sources. 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, 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	: Solid		
Appearance	: Low melting solid.		
Color	: No data available		
Odor	: No data available		
Odor threshold	: No data available		
рН	: No data available		
Melting point	: 32 - 37 °C		
Freezing point	: No data available		
Boiling point	: 76 (@ 0.09 mm Hg)		
Flash point	: No data available		
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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	: 217.04 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

#### **Other information** 9.2.

No additional information available

SECT	SECTION 10: Stability and reactivity				
10.1.	Reactivity				
No addi	No additional information available				
10.2.	Chemical stability				
The pro	The product is stable at normal handling and storage conditions.				
10.3.	Possibility of hazardous reactions				
No addi	No additional information available				
10.4.	Conditions to avoid				
Keep av	way from heat, sparks and flame.				
10.5.	Incompatible materials				
Strong I	bases. Strong oxidizing agents.				
40.0	Hannahara da sana sabbar na dasta				

10.6. Hazardous decomposition products

**SECTION 11: Toxicological information** 

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	
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	: Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea.

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SECT	SECTION 12: Ecological information				
12.1.	Toxicity				
No addi	No additional information available				
12.2.	Persistence and degradability				
No addi	tional information available				
12.3.	Bioaccumulative potential				
No addi	No additional 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 considerations			
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

UN-No.(DOT)

Packing group (DOT)

DOT Symbols

Proper Shipping Name (DOT) Transport hazard class(es) (DOT) Hazard labels (DOT)

DOT Packaging Non Bulk (49 CFR 173.xxx)

DOT Special Provisions (49 CFR 172.102)

DOT Packaging Bulk (49 CFR 173.xxx)

: UN3261 Corrosive solid, acidic, organic, n.o.s., 8, III

: UN3261

- : Corrosive solid, acidic, organic, n.o.s.
- : 8 Class 8 Corrosive material 49 CFR 173.136
- : 8 Corrosive



- : III Minor Danger
- : 213
- : 240
- : G Identifies PSN requiring a technical name

: 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). IP3 - Flexible IBCs must be sift-proof and water-resistant or must be fitted with a sift-proof and water-resistant liner.

T1 - 1.5 178.274(d)(2) Normal..... 178.275(d)(2)

TP33 - The portable tank instruction assigned for this substance applies for granular and powdered solids and for solids which are filled and discharged at temperatures above their melting point which are cooled and transported as a solid mass. Solid substances transported or offered for transport above their melting point are authorized for transportation in portable tanks conforming to the provisions of portable tank instruction T4 for solid substances of packing group III or T7 for solid substances of packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relief devices or bottom outlets are assigned in which case the more stringent tank instruction and special provisions shall apply. Filling limits must be in accordance with portable tank special provision TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with the applicable requirements of this subchapter.

DOT Packaging Exceptions (49 CFR 173.xxx) : 154 DOT Quantity Limitations Passenger aircraft/rail : 25 kg (49 CFR 173.27)

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DOT Quantity Limitations Cargo aircraft on CFR 175.75)	y (49 : 100 kg
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	
UN-No. (IMDG)	: 3261
Proper Shipping Name (IMDG)	: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.
Class (IMDG)	: 8 - Corrosive substances
Packing group (IMDG)	: III - substances presenting low 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)	: III - Minor 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:

3-Fluorophenacyl bromide CAS No 53631-18-8 100%	Substances Control Act (100A) Inventory exception.				
			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:
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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

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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	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flammability	<ul> <li>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)</li> </ul>
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.