

Safety Data Sheet 2617B08

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 05/07/2019 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 2,4,6-Trifluorophenacyl bromide
CAS No	: 746630-36-4
Product code	: 2617-B-08
Formula	: C8H4BrF3O
Other means of identification	: MFCD07368690
1.2. Relevant identified uses of the subs	stance or mixture and uses advised against
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development
1.3. Details of the supplier of the safety	data sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs.co	<u>m</u>
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identification	
2.1. Classification of the substance or n	
Classification (GHS-US)	
Skin Corr. 1B H314 - Causes severe skin but Eye Dam. 1 H318 - Causes serious eye da STOT SE 3 H335 - May cause respiratory i Full text of H-phrases: see section 16	mage
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	GHS05 GHS07
Signal word (GHS-US)	: Danger

Hazard statements (GHS-US)

Precautionary statements (GHS-US)

- : H314 Causes severe skin burns and eye damage H335 - May cause respiratory irritation
- : P260 Do not breathe dust, fumes, mist, spray, vapors 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

- 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)
2,4,6-Trifluorophenacyl bromide (Main constituent)	(CAS No) 746630-36-4	<= 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 where possible). Move the affected personne		, , , , , , , , , , , , , , , , , , , ,
First-aid measures after inhalation :	Remove person to fresh air and keep comfor respiration. Get immediate medical advice/at		ng. If not breathing, give artificial
First-aid measures after skin contact :	Wash with plenty of soap and water. Remove medical advice/attention.	e contaminated c	clothing and shoes. Get immediate
First-aid measures after eye contact :	Immediately flush eyes thoroughly with wate present and easy to do. Continue rinsing. Ge		
First-aid measures after ingestion :	Do NOT induce vomiting. Never give anythin mouth out with water. Get immediate medica		
4.2. Most important symptoms and effects	. both acute and delayed		
	The most important known symptoms and ef 2.2) and/or in section 11.	fects are describ	ed in the labelling (see section
Symptoms/injuries after inhalation :	Material is destructive to tissue of the mucuo shortness of breath, headache, nausea.	us membranes a	and upper respiratory tract. Cough,
4.3. Indication of any immediate medical a	ttention and special treatment needed		
Treat symptomatically.			
SECTION 5: Firefighting measures			
5.1. Extinguishing media			
Suitable extinguishing media :	Alcohol resistant foam. Carbon dioxide. Dry paperopriate for surrounding fire.	bowder. Water sp	oray. Use extinguishing media
5.2. Special hazards arising from the subs			
Fire hazard :	Thermal decomposition generates: Carbon of	xides. 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 apparatus. For further information refer to se		
SECTION 6: Accidental release measu	ires		
6.1. Personal precautions, protective equi			
General measures :	Evacuate unnecessary personnel. Ensure ac breathe gas, fumes, vapor or spray.	dequate air ventila	ation. Do not breathe dust. Do not
6.1.1. For non-emergency personnel			
0 71	Only qualified personnel equipped with suital	ble protective equ	uipment may intervene.

6.1.2. For emergency responders

: Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

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6.2. Environmental precautions						
Avoid release to the environment. Notify author	orities if product enters sewers or public waters.					
6.3. Methods and material for contain	6.3. Methods and material for containment and cleaning up					
For containment	: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.					
Methods for cleaning up	: Minimize generation of dust. 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 dust, 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, inclu	Iding 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 temperature	: 2 - 8 °C Use explosion proof refrigerator					
Storage area	: Store in dry, well-ventilated area. Light sensitive.					

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 an	d chemical properties
Physic	al state	: Solid
Appear	rance	: Low melting solid.
Color		: No data available
Odor		: No data available
Odor th	nreshold	: No data available
pН		: No data available
Melting) point	: 36 - 38 °C
Freezir	ng point	: No data available
Boiling	point	: No data available
Flash p	point	: No data available
Relativ	e evaporation rate (butyl acetate=1)	: No data available
Flamm	ability (solid, gas)	: No data available
Explos	ion limits	: No data available
Explos	ive properties	: No data available
05/00/0	010	ENI (English LIC)

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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	: 253.016 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 add	litional 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	litional 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
l Inder i	normal conditions of storage and use bazardous decomposition products should not be produced. Hazardous decomposition products in case of

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

Information on toxicological effects 11.1.

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. Coug shortness of breath, headache, nausea.	h,

SECTION 12: Ecological information				
12.1. Toxicity				
No addit	ional information available			
12.2. Persistence and degradability				
No additional information available				

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12.3.	Bioaccumulative potential			
No addi	tional information available			
12.4.	Mobility in soil			
	itional information available			
12.5.	Other adverse effects			
No addi	tional information available			

SECTION 13: Disposal considerations

Waste treatment methods 13.1.

Waste treatment methods

Waste disposal recommendations Additional information

- : Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.
- : Dispose of contents/container in accordance with licensed collector's sorting instructions. 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)

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

- Packing group (DOT)
- DOT Packaging Non Bulk (49 CFR 173.xxx)
- DOT Packaging Bulk (49 CFR 173.xxx)
- DOT Symbols
- DOT Special Provisions (49 CFR 172.102)

- : UN1759 Corrosive solids, n.o.s., 8, II
- : UN1759
- : Corrosive solids, n.o.s.
- : 8 Class 8 Corrosive material 49 CFR 173.136
- : 8 Corrosive



- : II Medium Danger
- : 212
- : 240
- : G Identifies PSN requiring a technical name

: 128 - Regardless of the provisions of §172.101(c)(12), aluminum smelting by-products and aluminum remelting by-products described under this entry, meeting the definition of Class 8, Packing Group II and III may be classed as a Division 4.3 material and transported under this entry. The presence of a Class 8 hazard must be communicated as required by this Part for subsidiary hazards

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..... 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 : 15 kg (49 CFR 173.27)

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DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	50 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

No additional information available

Air transport

No additional information available

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:

	2,4,6-Trifluorophenacyl bromide
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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 746630-36-4

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

: 3 - Short exposure could cause serious temporary or

NFPA health hazard

NFPA fire hazard NFPA reactivity

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

residual injury even though prompt medical attention was



100%

given.

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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.