

### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations SDS ID: 6763B03 Issue date: 28.11.2023 Version: 1.0

#### **SECTION 1: Identification** 1.1. Identification Product form · Substance 3-(Bromomethyl)(trifluoromethylsulfonyl)benzene Substance name : CAS-No. 866208-07-3 : Product code 6763-B-03 ÷ Formula : C8H6BrF3O2S Synonyms : 1-(Bromomethyl)-3-trifluoromethanesulfonylbenzene Other means of identification : MFCD14706281 1.2. Recommended use and restrictions on use Use of the substance/mixture : Laboratory chemicals Manufacture of substances Scientific research and development 1.3. Supplier SynQuest Laboratories, Inc. Inc. P.O. Box 309 Alachua, FL, Alachua, 32615 United States of America T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs.com 1.4. Emergency telephone number : (844) 523-4086 (3E Company - Account 10069) Emergency number SECTION 2: Hazard(s) identification 2.1. Classification of the substance or mixture **GHS US classification** Skin corrosion/irritation Category 1B H314 Causes severe skin burns and eye damage Serious eye damage/eye irritation Category 1 H318 Causes serious eye damage Specific target organ toxicity - Single exposure, Category 3, May cause respiratory irritation H335 Respiratory tract irritation

2.2. GHS Label elements, including precautionary statements

#### GHS US labeling

Hazard pictograms (GHS US)

Full text of H statements : see section 16



Signal word (GHS US) Hazard statements (GHS US)

Precautionary statements (GHS US)

- : H314 Causes severe skin burns and eye damage H318 - Causes serious eye damage
- H335 May cause respiratory irritation
- : P260 Do not breathe dust, mist, spray. P264 - Wash skin thoroughly after handling

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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

2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : Lachrymator.

2.4. Unknown acute toxicity (GHS US)

No additional information available

## **SECTION 3: Composition/Information on ingredients**

### 3.1. Substances

Substance type

: Mono-constituent

Name	Product identifier	%	GHS US classification
3-(Bromomethyl)(trifluoromethylsulfonyl)benzene (Main constituent)	CAS-No.: 866208-07- 3		Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335

Full text of hazard classes and H-statements : see section 16

### 3.2. Mixtures

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 medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get immediate medical advice/attention.
First-aid measures after skin contact	: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get immediate medical advice/attention.
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 effects (acute and delayed)	
Symptoms/effects	: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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Symptoms/effects after inhalation

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

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures			
5.1. Suitable (and unsuitable) extinguishing media			
Suitable extinguishing media	: Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.		
5.2. Specific hazards arising from the chemical			
Fire hazard	: Thermal decomposition generates: Carbon oxides. Hydrogen bromide. Hydrogen fluoride. Sulfur oxides.		
5.3. Special protective equipment and pre	cautions for fire-fighters		
Firefighting instructions Protection during firefighting	<ul> <li>In case of fire: Evacuate area.</li> <li>Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".</li> </ul>		

SECTION 6: Accidental release measures			
6.1. Personal precautions, protective equipment and emergency procedures			
General measures	: Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust.		
6.1.1. For non-emergency personnel			
Emergency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene.		
6.1.2. For emergency responders			
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".		

6.2. Environmental precautions		

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up		
For containment Methods for cleaning up Other information	<ul> <li>Stop leak if safe to do so.</li> <li>Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.</li> <li>For disposal of solid materials or residues refer to section 13 : "Disposal considerations".</li> </ul>	
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.

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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	any incompatibilities
Technical measures Storage conditions	<ul><li>Comply with applicable regulations.</li><li>Keep container closed when not in use.</li></ul>
Incompatible materials Storage area	<ul><li>Refer to Section 10 on Incompatible Materials.</li><li>Store in dry, cool, well-ventilated area. Light sensitive.</li></ul>

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

3-(Bromomethyl)(trifluoromethylsulfonyl)benzene (866208-07-3)

No additional information available

8.2. Appropriate engineering 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.

### 8.3. Individual protection measures/Personal protective equipment

#### 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

#### Personal protective equipment symbol(s):



#### Other information:

Safety shoes. 29 CFR 1910.136: Foot Protection.

SECTION 9: Physical and chemical properties		
9.1. Information on basic ph	sical 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	

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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
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Molecular mass	: 303,09
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

No additional information available

### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

No additional information available

**10.2. Chemical stability** 

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No additional information available

**10.4. Conditions to avoid** 

Keep away from heat, sparks and flame.

**10.5. Incompatible materials** 

Strong bases. 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.

SECTION 11: Toxicological information		
11.1. Information on toxicological effects		
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation) Skin corrosion/irritation Serious eye damage/irritation	<ul> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Causes severe skin burns.</li> <li>Causes serious eye damage.</li> </ul>	

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Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects	: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.
Symptoms/effects after inhalation	: Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea.

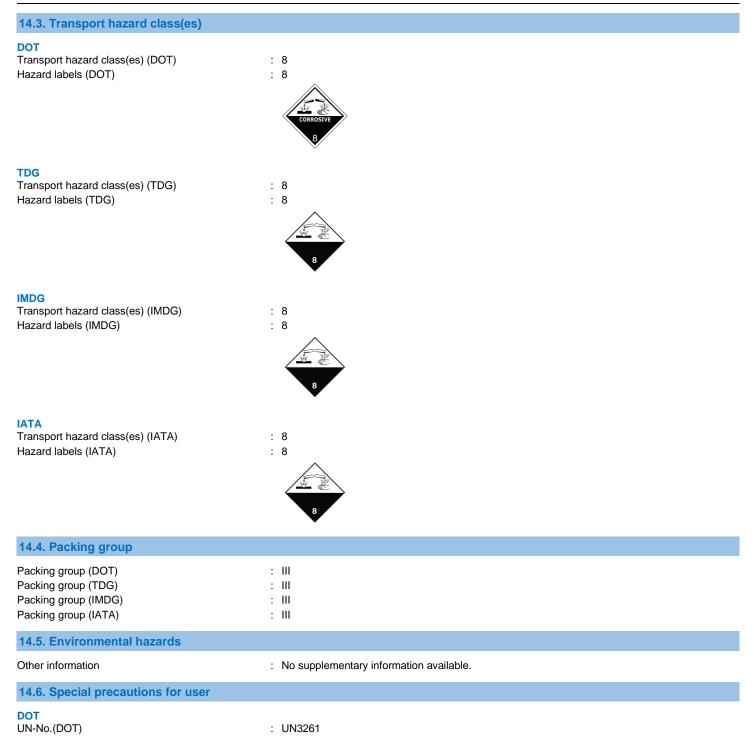
SECTION 12: Ecological information
12.1. Toxicity
No additional information available
12.2. Persistence and degradability
No additional information available
12.3. Bioaccumulative potential
No additional information available
12.4. Mobility in soil
No additional information available
12.5. Other adverse effects
No additional information available

SECTION 13: Disposal considerations		
13.1. Disposal methods		
Waste treatment methods	: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.	
Product/Packaging disposal recommendations Additional information	<ul><li>Dispose of contents/container in accordance with licensed collector's sorting instructions.</li><li>Recycle the material as far as possible.</li></ul>	

SECTION 14: Transport informati	on
14.1. UN number	
DOT NA No UN-No. (TDG) UN-No. (IMDG) UN-No. (IATA)	: UN3261 : UN3261 : 3261 : 3261
14.2. UN proper shipping name	
Proper Shipping Name (DOT) Proper Shipping Name (TDG) Proper Shipping Name (IMDG) Proper Shipping Name (IATA)	<ul> <li>Corrosive solid, acidic, organic, n.o.s.</li> </ul>

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DOT Special Provisions (49 CFR 172.102) DOT Packaging Exceptions (49 CFR 173.xxx) DOT Packaging Non Bulk (49 CFR 173.xxx) DOT Packaging Non Bulk (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx) DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) DOT Vessel Stowage Location	<ul> <li>100 kg</li> <li>A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a</li> </ul>
	passenger vessel.
TDG UN-No. (TDG) TDG Special Provisions Explosive Limit and Limited Quantity Index Excepted quantities (TDG) Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index Emergency Response Guide (ERG) Number	<ul> <li>UN3261</li> <li>16 - 1) The technical name of the most dangerous substance related to the primary class must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(i)(A) of Part 3, Documentation. The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4, Dangerous Goods Safety Marks.</li> <li>2) subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical: a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S; b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S; c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S; d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; or e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S. An example in Canada is the "Food and Drugs Act".</li> <li>5 kg</li> <li>E1</li> <li>25 kg</li> <li>154</li> </ul>
IMDG Special provision (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) IBC packing instructions (IMDG) IBC special provisions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG)	: 223, 274 : 5 kg : E1 : P002, LP02 : IBC08 : B3 : T1 : TP33

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EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) Segregation (IMDG) Properties and observations (IMDG)	<ul> <li>F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE</li> <li>S-B - SPILLAGE SCHEDULE Bravo - CORROSIVE SUBSTANCES</li> <li>A</li> <li>SGG1, SG36, SG49</li> <li>Causes burns to skin, eyes and mucous membranes.</li> </ul>
IATA PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provision (IATA) ERG code (IATA)	: E1 : Y845 : 5kg : 860 : 25kg : 864 : 100kg : A3, A803 : 8L

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

#### Not applicable

## **SECTION 15: Regulatory information**

#### **15.1. US Federal regulations**

All components of this product are present and listed as (TSCA) inventory, except for:	s Active on the United States Environme	ntal Protection Agency Toxic Substances Control Act
3-(Bromomethyl)(trifluoromethylsulfonyl)benzene	CAS-No. 866208-07-3	100%

#### **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, developmental and/or reproductive harm

### **SECTION 16: Other information**

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Full text of H-phrases	
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H335	May cause respiratory irritation

#### NFPA health hazard

: 3 - Materials that, under emergency conditions, can cause serious or permanent injury.

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NFPA fire hazard NFPA reactivity	<ul> <li>1 - Materials that must be preheated before ignition can occur.</li> <li>0 - Material that in themselves are normally stable, even under fire conditions.</li> </ul>
Hazard 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,

Physical

Safety Data Sheet (SDS), USA

- solids and semi solids having a flash point above 200 F. (Class IIIB) : 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.