

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations SDS ID: 3639705 Date of issue: 10/19/2021 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form Substance name CAS-No. Product code Formula Other means of identification 1.2. Recommended use and restrictions o	: Substance : (2-Fluorobenz : 1216246-45-5 : 3639-7-05 : C7H10CIFN2 : MFCD124033 n use	5	hydrochloride
Use of the substance/mixture	: Laboratory ch Manufacture o Scientific rese	of substances	
1.3. Supplier			
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.com			
1.4. Emergency telephone number			
Emergency number	: (844) 523-408	36 (3E Compa	any - Account 10069)
SECTION 2: Hazard(s) identification			
2.1. Classification of the substance or mix	ture		
GHS US classification			
Acute toxicity (oral) Category 3 Acute toxicity (inhalation) Category 4 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 1 Specific target organ toxicity (single exposure) Cat Full text of H statements : see section 16	egory 3	H301 H332 H315 H318 H335	Toxic if swallowed Harmful if inhaled Causes skin irritation Causes serious eye damage May cause respiratory irritation
2.2. GHS Label elements, including preca	utionary stateme	ents	
GHS US labeling Hazard pictograms (GHS-US)			

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

H335 - May cause respiratory irritation

: Danger

: H301 - Toxic if swallowed H315 - Causes skin irritation H318 - Causes serious eye damage

H332 - Harmful if inhaled

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Precautionary statements (GHS-US)	 P261 - Avoid breathing dust, mist, spray P264 - Wash skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+P310 - If swallowed: Immediately call a poison center/doctor/ P302+P352 - If on skin: Wash with plenty of soap and water 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) P330 - Rinse mouth P332+P313 - If skin irritation occurs: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it 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
	P501 - Dispose of contents/container to an approved waste disposal plant

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Substance type

: Mono-constituent

Name	Product identifier	%	GHS US classification
(2-Fluorobenzyl)hydrazine hydrochloride (Main constituent)	CAS-No.: 1216246- 45-5	≤ 100	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 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. 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.

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First-aid measures after ingestion :	: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mou out with water. Get immediate medical advice/attention.		
4.2. Most important symptoms and effects (acute and delayed)			
Symptoms/injuries :	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.		
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 chem	nical		
Fire hazard	: Thermal decomposition generates: Carbon oxides. Hydrogen chloride. Hydrogen fluoride. Nitrogen oxides.		
5.3. Special protective equipment and prec	autions for fire-fighters		
Firefighting instructions Protection during firefighting	 In case of fire: Evacuate area. 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 measures				
6.1. Personal precautions, protective equip	oment 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 co	ontainment and cleaning up
For containment Methods for cleaning up Other information	 Stop leak if safe to do so. Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust. For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

6.4. Reference to other sections

No additional information available

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SECTION 7: Handling and storage			
7.1. 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. 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			
Storage conditions :	Comply with applicable regulations. Keep container closed when not in use. Hygroscopic. Keep contents under inert gas. Refer to Section 10 on Incompatible Materials. Store in dry, cool, well-ventilated area.		

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

(2-Fluorobenzyl)hydrazine hydrochloride (1216246-45-5)		
No additional information available		
8.2. Appropriate engineering controls	i de la companya de l	
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

Other information:

Safety shoes. 29 CFR 1910.136: Foot Protection.

SECTION 9: Physical and chemical properties		
9.1. Information on basic ph	ysical and chemical properties	
Physical state	: 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	: 176.619 g/mol
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 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	 Toxic if swallowed. Not classified Harmful if inhaled. Causes skin irritation. Causes serious eye damage. 	

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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
Viscosity, kinematic	: No data available
Symptoms/injuries	: The most important known symptoms and effects are described in the labelling (see section 2.2)
	and/or in section 11.

SECTION 12: Ecological information

SECTION 14: Transport information

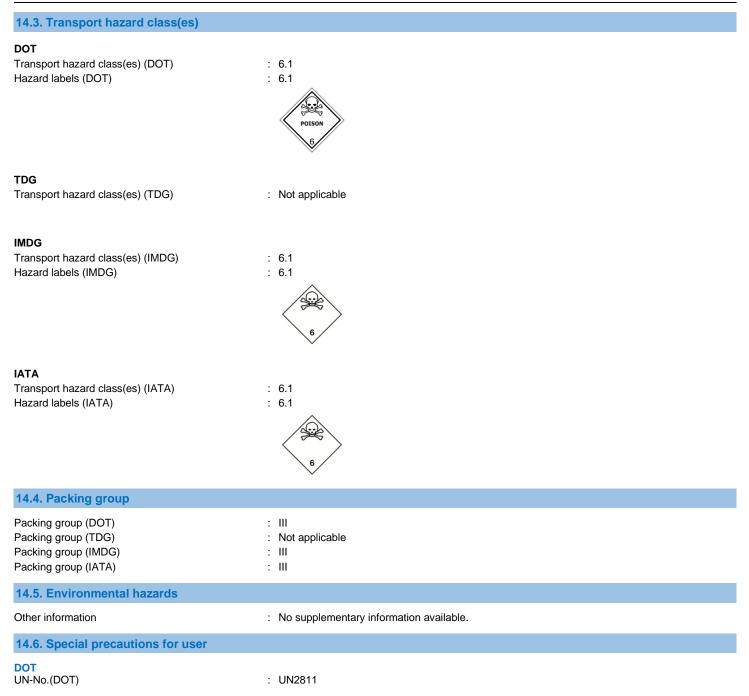
12.1. Toxicity No additional information available 12.2. Persistence and degradability No additional information available 12.3. Bioaccumulative potential No additional information available 12.4. Mobility in soil No additional information available 12.5. Other adverse effects No additional information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

SECTION 13: Disposal considerations	
13.1. Disposal methods	
Waste treatment methods Product/Packaging 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.

14.1. UN number		
DOT NA no. UN-No. (TDG) UN-No. (IMDG) UN-No. (IATA)	: UN2811 : Not applicable : 2811 : 2811	
14.2. UN proper shipping name		
Proper Shipping Name (DOT) Proper Shipping Name (TDG) Proper Shipping Name (IMDG) Proper Shipping Name (IATA)	 Toxic solids, organic, n.o.s. Not applicable TOXIC SOLID, ORGANIC, N.O.S. Toxic solid, organic, n.o.s. 	

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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). 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.
DOT Packaging Exceptions (49 CFR 173.xxx)	accordance with the applicable requirements of this subchapter. : 153
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 213
DOT Packaging Bulk (49 CFR 173.xxx)	: 240
DOT Quantity Limitations Passenger aircraft/rail (49	: 100 kg
CFR 173.27)	
DOT Quantity Limitations Cargo aircraft only (49	: 200 kg
CFR 175.75)	· - · · · · · · · · · · · · · · · · · ·
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a
	passenger vessel.
TDG Emergency Response Guide (ERG) Number	: 154
IMDG	
Special provision (IMDG)	: 223, 274
Limited quantities (IMDG)	: 5 kg
Excepted quantities (IMDG) Packing instructions (IMDG)	: E1 : P002
IBC packing instructions (IMDC)	: IBC08
IBC special provisions (IMDG)	: B3
Tank instructions (IMDG)	: T1
Tank special provisions (IMDG)	: TP33
EmS-No. (Fire)	: F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	: S-A - SPILLAGE SCHEDULE Alfa - TOXIC SUBSTANCES
Stowage category (IMDG)	: A
ΙΑΤΑ	
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y645
PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA)	: 10kg : 670
PCA packing instructions (IATA) PCA max net quantity (IATA)	: 100kg
CAO packing instructions (IATA)	: 677
CAO max net quantity (IATA)	: 200kg
Special provision (IATA)	: A3, A5
ERG code (IATA)	: 6L
4.4.7. There exists in both and existing the Annual	I of MAPPOL 72/79 and the IPC Code

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

Not applicable

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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-Fluorobenzyl)hydrazine hydrochloride CAS-No. 1216246-45-5 100%				
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 and/or reproductive harm

SECTION 16: Other information

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Full text of H-phi	ases
H301	Toxic if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H332	Harmful if inhaled
H335	May cause respiratory irritation
NFPA health haza NFPA fire hazard NFPA reactivity	 a - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given. b - Materials that will not burn. c - Normally stable, even under fire exposure conditions, and are not reactive with water.
Hazard Rating Health Flammability Physical	 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given * - Chronic (long-term) health effects may result from repeated overexposure 0 Minimal Hazard - Materials that will not burn 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.
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