

Safety Data Sheet 2107B16 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 11/20/2018 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 2-Bromo-3-methoxy-1,1,1-trifluoropropane
CAS No	: 883498-92-8
Product code	: 2107-B-16
Formula	: C4H6BrF3O
Synonyms	: 2-Bromo-3,3,3-trifluoropropyl methyl ether
Other means of identification	: MFCD04038268
	substance 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 safe	ety data sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Americ T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs	
Emergency telephone number           Emergency number	: (844) 523-4086 (3E Company - Account 10069)
	. (044) 323-4000 (3E Company - Account 10003)
SECTION 2: Hazard(s) identificati	on
2.1. Classification of the substance of	or mixture
Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eye inSTOT SE 3H335 - May cause respirator	rritation
Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eye inSTOT SE 3H335 - May cause respiratorFull text of H-phrases: see section 16	rritation
Eye Irrit. 2A H319 - Causes serious eye in STOT SE 3 H335 - May cause respirator Full text of H-phrases: see section 16	rritation
Skin Irrit. 2       H315 - Causes skin irritation         Eye Irrit. 2A       H319 - Causes serious eye in         STOT SE 3       H335 - May cause respirator         Full text of H-phrases: see section 16         2.2.       Label elements         GHS-US labeling	rritation
Skin Irrit. 2       H315 - Causes skin irritation         Eye Irrit. 2A       H319 - Causes serious eye in         STOT SE 3       H335 - May cause respirator         Full text of H-phrases: see section 16         2.2.       Label elements         GHS-US labeling         Hazard pictograms (GHS-US)	rritation y irritation
Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eye inSTOT SE 3H335 - May cause respiratorFull text of H-phrases: see section 162.2.Label elements	rritation y irritation
Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye in STOT SE 3 H335 - May cause respirator Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	rritation y irritation

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2.3.       Other hazards         No additional information available       2.4.         2.4.       Unknown acute toxicity (GHS US)         Not applicable       SECTION 3: Composition/information on ingredients         3.1.       Substance         Substance type       : Mono-constituent         Mane       Product identifier       %         2:#Grome-3-methox-1,11-tifluoropropane       (CAS twp 88348-82-8)       <= 100       Ram. Lip. 3, H226         Staff or constancing       CAS twp 88348-82-8       <= 100       Ram. Lip. 3, H226         Staff or constancing       CAS twp 88348-82-8       <= 100       Ram. Lip. 3, H226         Staff or constancing       CAS twp 88348-82-8       <= 100       Ram. Lip. 3, H226         Staff or constancing       CAS twp 88348-82-8       <= 100       Ram. Lip. 3, H226         Staff or constancing       CAS twp 88348-82-8       <= 100       Ram. Lip. 3, H226         Staff or constancing       CAS twp 88348-82-8       <= 100       Ram. Lip. 3, H226         Staff or constancing       CAS twp 88348-82-8       <= 100       Ram. Lip. 3, H226         Staff or constancing       CAS twp 88348-82-8       <= 100       Ram. Lip. 3, H226         Staff or constancing       Staff or constwp 100       Ram. Lip. 3, H226 <td< th=""><th></th><th colspan="3">P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove conta lenses, if present and easy to do. Continue rinsing P312 - Call a POISON CENTER or doctor/physician if you feel unwell P321 - Specific treatment (see supplemental first aid instructions on this label) P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P370+P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguis P403+P233 - Store in a well-ventilated place. Keep container tightly closed P403+P235 - Store in a well-ventilated place. Keep cool P405 - Store locked up P501 - Dispose of contents/container to an approved waste disposal plant</th><th>el unwell ons on this label) ntion ntion ore reuse cohol-resistant foam to extinguish tightly closed</th></td<>		P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove conta lenses, if present and easy to do. Continue rinsing P312 - Call a POISON CENTER or doctor/physician if you feel unwell P321 - Specific treatment (see supplemental first aid instructions on this label) P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P370+P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguis P403+P233 - Store in a well-ventilated place. Keep container tightly closed P403+P235 - Store in a well-ventilated place. Keep cool P405 - Store locked up P501 - Dispose of contents/container to an approved waste disposal plant			el unwell ons on this label) ntion ntion ore reuse cohol-resistant foam to extinguish tightly closed	
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       %         2.80mon-smethory-1.1.1-trifluoropropane       (CAS No) 883498-92-8       c= 100         Film. Ling. 3, 12:35       Film. Ling. 3, 12:35         Full text of H-phrases: see section 16	2.3.	Other hazards				
Not applicable         SECTION 3: Composition/information on ingredients         3.1. Substance         Substance type         Mono-constituent         Mono-constituent         Mono-constituent         Substance type       Classification (CHS-US)         2-Borno-3-methoxy-1,11-tifluoropropane       (CAS No) 883498-92-8       <= 100	No addi	tional information available				
SECTION 3: Composition/information on ingredients         3.1. Substance         Substance type       : Mono-constituent         Substance type       : Mono-constituent         Substance type       : Mono-constituent         Substance type       : Classification (GHS-US)         Substance type       Classification (GHS-US) </td <td>2.4.</td> <td>Unknown acute toxicity (GHS US)</td> <td></td> <td></td> <td></td> <td></td>	2.4.	Unknown acute toxicity (GHS US)				
3.1.       Substance         Substance type       :       Mono-constituent         Name       Product identifier       %       Classification (GHS-US)         2-Bromo-Amethoxy-1.1.1+tifluoropropane       (CAS No) 883498-92-8       x= 100       Filam. Lin, 3, H226         Wein construent       (CAS No) 883498-92-8       x= 100       Filam. Lin, 3, H226         Shin intr. 2, H315       Eye Intr. 2, A, H319       STOT SE 3, H335         Full text of H-phrases: see section 16	Not app	licable				
3.1.       Substance         Substance type       :       Mono-constituent         Name       Product identifier       %       Classification (GHS-US)         2-Bromo-Amethoxy-1.1.1+tifluoropropane       (CAS No) 883498-92-8       x= 100       Filam. Lin, 3, H226         Wein construent       (CAS No) 883498-92-8       x= 100       Filam. Lin, 3, H226         Shin intr. 2, H315       Eye Intr. 2, A, H319       STOT SE 3, H335         Full text of H-phrases: see section 16	SECT	ON 3: Composition/information	on in	gredients		
Name         Product identifier         %         Classification (GHS-US)           2. Bromo-3-methoxy-1,1,1-trilluoropropane         (CAS No) 883498-92-8         <= 100						
2 Brom-3-methoxy-1.1,1-trifluoropropane       (CAS No) 883498-92-8       c= 100       Fiam. Lig. 3, H326         (Wain constituent)       (CAS No) 883498-92-8       c= 100       Fiam. Lig. 3, H326         Full text of H-phrases: see section 16       3.2.       Mixture         Not applicable       SECTION 4 First alid measures         SECTION 4 First alid measures       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       : In case of accident or if you feel unwell, seek medical advice/attention.         First-aid measures after eye contact       : Wash with plenty of scap and water. Get medical advice/attention.         First-aid measures after eye contact       : Immediately flush eyes throughly with water for at least 15 minutes. Remove contact lense present and easy to do. Continue rinsing. Get medical advice/attention.         First-aid measures after inpestion       : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.         First-aid measures       : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.         4.2.       Most important symptoms and effects. both acute and belayed         Symptoms/injuries       : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.	Substan	ce type :	Mono	-constituent		
2.8mmo-3.methoxy-1,1,1-trifluoropropane       (CAS No) 883498-92-8       c= 100       Fiam. Lig. 3, H326         (Main constituent)       Fiam. Lig. 3, H326       Strip 117: 2, H315         Full text of H-phrases: see section 16       3.2.       Mixture         Not applicable       SECTION 4.4 First alid 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 general       : In case of accident or if you feel unwell, seek medical advice/attention.         First-aid measures after inhalation       : Remove person to fresh air and keep comptorable for breathing, lf not breathing, give artificit respiration. Get medical advice/attention.         First-aid measures after eye contact       : Wash with plenty of scap and water. Get medical advice/attention.         First-aid measures after inpestion       : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get 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 medical advice/attention.         4.2.       Most important symptoms and effects, both 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.				Product identifier	%	Classification (GHS-US)
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 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 artifici respiration. Get medical advice/attention.         First-aid measures after eye contact       : Wash with plenty of soap and water. Get medical advice/attention.         First-aid measures after eye contact       : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lense present and easy to do. Continue rinsing. Get 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 medical advice/attention.         4.2.       Most important symptoms and effects, both 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.       Indication of any immediate medical attention and special treatment needed         Treat symptomatically.       SECTION 5: Firefighting measures         5.1.       Extinguishing media       : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishi	2-Brom					Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
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 artifici respiration. Get medical advice/attention.         First-aid measures after skin contact       : Wash with plenty of soap and water. Get medical advice/attention.         First-aid measures after eye contact       : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lense present and easy to do. Continue rinsing. Get medical advice/attention.         First-aid measures after ingestion       : Do NOT induce vomiting. Never give anything by mouth to a unconscious person. Rinse mouth out with water. Get medical advice/attention.         4.2.       Most important symptoms and effects, both 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.       Indication of any immediate medical attention and special treatment needed         Treat symptomatically.       :         SECTION 5: Firefighting media       : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surounding fire.         Suitable	Full text	of H-phrases: see section 16				· · · · · · · · · · · · · · · · · · ·
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respiration. Get medical advice/attention.         First-aid measures after skin contact       : Wash with plenty of soap and water. Get medical advice/attention.         First-aid measures after eye contact       : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lense present and easy to do. Continue rinsing. Get 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 medical advice/attention. <b>4.2.</b> Most important symptoms and effects, both 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. <b>4.3.</b> Indication of any immediate medical attention and special treatment needed         Treat symptomatically.       SECTION 5: Firefighting measures <b>5.1.</b> Extinguishing media         Suitable extinguishing media       : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. <b>5.2.</b> Special hazards arising from the substance or mixture         Fire hazard       : Thermal decomposition generates: Carbon oxides. Hydrogen bromide. Hydrogen fluoride.         Explosion hazard       : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed containers. May form flammable/explosive vapor-air mixture. <b>5.3.</b>	First-aid	measures general :				
First-aid measures after eye contact       : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lense present and easy to do. Continue rinsing. Get 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 medical advice/attention.         4.2.       Most important symptoms and effects, both 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.       Indication of any immediate medical attention and special treatment needed         Treat symptomatically.       SECTION 5: Firefightling measures         5.1.       Extinguishing media         Suitable 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 substance or mixture         Fire hazard       : Thermal decomposition generates: Carbon oxides. Hydrogen bromide. Hydrogen fluoride.         Explosion hazard       : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed containers. May form flammable/explosive vapor-air mixture.         5.3.       Advice for firefighters         Firefighting instructions       : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.         Protection during	First-aid	measures after inhalation :			able for breathin	g. If not breathing, give artificial
First-aid measures after ingestion       present and easy to do. Continue rinsing. Get 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 medical advice/attention.         4.2.       Most important symptoms and effects, both 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.       Indication of any immediate medical attention and special treatment needed         Treat symptomatically.       SECTION 5: Firefighting measures         5.1.       Extinguishing media         Suitable 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 substance or mixture         Fire hazard       : Thermal decomposition generates: Carbon oxides. Hydrogen bromide. Hydrogen fluoride.         Explosion hazard       : Thermal decomposition generates: Carbon oxides. Hydrogen bromide. Hydrogen fluoride.         5.3.       Advice for firefighters         Firefighting instructions       : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.         Protection during firefighting       : Wear gas tight chemically protective clothing in combination with self contained breathing	First-aid	measures after skin contact :	Wash	with plenty of soap and water. Get med	cal advice/atter	ntion.
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2.2) and/or in section 11.         4.3. Indication of any immediate medical attention and special treatment needed         Treat symptomatically.         SECTION 5: Firefighting measures         5.1. Extinguishing media         Suitable extinguishing media         Suitable extinguishing media         Special hazards arising from the substance or mixture         Fire hazard       : Thermal decomposition generates: Carbon oxides. Hydrogen bromide. Hydrogen fluoride.         Explosion hazard       : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed containers. May form flammable/explosive vapor-air mixture.         5.3. Advice for firefighters       : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.         Protection during firefighting       : Wear gas tight chemically protective clothing in combination with self contained breathing	4.2.	Most important symptoms and effects	, both	acute and delayed		
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SECTION 5: Firefighting measures         5.1.       Extinguishing media         Suitable 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 substance or mixture         Fire hazard       : Thermal decomposition generates: Carbon oxides. Hydrogen bromide. Hydrogen fluoride.         Explosion hazard       : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed containers. May form flammable/explosive vapor-air mixture.         5.3.       Advice for firefighters         Firefighting instructions       : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.         Protection during firefighting       : Wear gas tight chemically protective clothing in combination with self contained breathing	4.3.	Indication of any immediate medical a	ttentio	n and special treatment needed		
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Suitable 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 substance or mixture         Fire hazard       : Thermal decomposition generates: Carbon oxides. Hydrogen bromide. Hydrogen fluoride.         Explosion hazard       : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed containers. May form flammable/explosive vapor-air mixture.         5.3.       Advice for firefighters         Firefighting instructions       : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.         Protection during firefighting       : Wear gas tight chemically protective clothing in combination with self contained breathing						
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	Firefight	ing instructions :	In cas	se of fire: Evacuate area. Fight fire remot	ely due to the ri	sk of explosion.
	Protectio	on during firefighting :				

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SECTION 6: Accidental release meas	ures
6.1. Personal precautions, protective equ	
General measures	<ul> <li>Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.</li> </ul>
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".
Emergency procedures	: Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level. Consider the risk of potentially explosive atmospheres. Eliminate every possible source of ignition.
6.2. Environmental precautions	
Avoid release to the environment. Notify authoritie	es if product enters sewers or public waters.
6.3. Methods and material for containme	nt and cleaning up
For containment	: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.
Methods for cleaning up	: 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	
Additional hazards when processed	: Handle empty containers with care because residual vapors are flammable.
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 fumes, mist, spray, vapors. 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, includin	g any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use. Keep away from ignition sources.
Incompatible materials	: Refer to Section 10 on Incompatible Materials.
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.

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<b>SECTION 9: Physical and chemical</b>	properties
9.1. Information on basic physical and	
Physical state	: Liquid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
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
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	: 206.989 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	
<b>SECTION 10: Stability and reactivit</b>	У
10.1. Reactivity	

### 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	: Not classified		
Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization	<ul> <li>Causes skin irritation.</li> <li>Causes serious eye irritation.</li> <li>Not classified</li> </ul>		

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Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity Specific target organ toxicity (single exposure)	<ul><li>Not classified</li><li>May cause respiratory irritation.</li></ul>
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

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

No additional 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	on		

#### **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

- : UN1993 Flammable liquids, n.o.s., 3, III
- : UN1993
- : Flammable liquids, n.o.s.
- : 3 Class 3 Flammable and combustible liquid 49 CFR 173.120
- : 3 Flammable liquid



- : III Minor Danger
- : 203
- : 242
- : G Identifies PSN requiring a technical name

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DOT Special Provisions (49 CFR 172.102)	<ul> <li>B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.</li> <li>B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks.</li> <li>IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).</li> <li>T4 - 2.65 178.274(d)(2) Normal</li></ul>
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L
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)	: 1993
Proper Shipping Name (IMDG)	: FLAMMABLE LIQUID, N.O.S.
Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: III - substances presenting low danger
Air transport	
UN-No. (IATA)	: 1993
Proper Shipping Name (IATA)	: Flammable liquid, n.o.s.
Class (IATA)	: 3 - Flammable Liquids
Packing group (IATA)	: III - Minor Danger
SECTION 15: Regulatory information	
15.1. US Federal regulations	
All components of this preduct are listed, or our	luded from listing on the United States Fruinsmontel Destantion Anoney Tavia

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-Bromo-3-methoxy-1,1,1-trifluoropropane         CAS No 883498-92-8         100%	
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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.

#### 15.2. International regulations

#### CANADA

No additional information available

EU-Regulations No additional information available

National regulations

No additional information available

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#### 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:

i un tox	a or ri prilases.	
	Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
	Flam. Liq. 3	Flammable liquids Category 3
	Skin Irrit. 2	Skin corrosion/irritation Category 2
	STOT SE 3	Specific target organ toxicity (single exposure) Category 3
	H226	Flammable liquid and vapor
	H315	Causes skin irritation
	H319	Causes serious eye irritation
	H335	May cause respiratory irritation
NFPA health hazard NFPA fire hazard NFPA reactivity		<ul> <li>: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.</li> <li>: 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.</li> <li>: 0 - Normally stable, even under fire exposure conditions,</li> </ul>
	II Rating	and are not reactive with water.
Health		: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability		<ul> <li>2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F but below 200 F. (Classes II &amp; IIIA)</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.