

2,4,6-Trifluoroanisole Safety Data Sheet 2607393 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

1.1. Identification	
Product form	: Substance
Substance name	: 2,4,6-Trifluoroanisole
CAS No	: 219998-30-8
Product code	: 2607-3-93
Formula	: C7H5F3O
Synonyms	: 1,3,5-Trifluoro-2-methoxybenzene
Other means of identification	: MFCD01631502
1.2. Relevant identified uses of the	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 sat	fety data sheet
SynQuest Laboratories, Inc.	
P.O. Box 309 Alachua, FL 32615 - United States of Americ	
Γ (386) 462-0788 - F (386) 462-7097 nfo@synquestlabs.com - www.synquestlabs	
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identificat	ion
2.1. Classification of the substance	or mixture
Classification (GHS-US)	
Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye STOT SE 3 H335 - May cause respirator	irritation
Full text of H-phrases: see section 16 2.2. Label elements	
2.2. Label elements GHS-US labeling	: GHS02 GHS07
2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	:
•	: Warning : H226 - Flammable liquid and vapor H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation
2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	: $i \\ i \\$

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		lense P312 P321 P332 P337 P362 P370 P403 P403 P405	+P351+P338 - If in eyes: Rinse cautious s, if present and easy to do. Continue rin - Call a POISON CENTER or doctor/phy - Specific treatment (see supplemental f +P313 - If skin irritation occurs: Get med +P313 - If eye irritation persists: Get med +P364 - Take off contaminated clothing a +P378 - In case of fire: Use dry sand, dry +P233 - Store in a well-ventilated place. +P235 - Store in a well-ventilated place. - Store locked up - Dispose of contents/container to an ap	Sing sician if you fee irst aid instructio cal advice/atten lical advice/atten and wash it befo chemical or alc Keep container Keep cool	I unwell ons on this label) tion ntion re reuse cohol-resistant foam to extinguish tightly closed
2.3.	Other hazards				
No addi	ional information available				
2.4.	Unknown acute toxicity (GHS US)				
Not app	icable				
SECT	ON 3: Composition/information	on in	aredients		
3.1.	Substance		groatorito		
Substan		Mone	p-constituent		
	······································	work		0/	
Name	ifluereenieele		Product identifier	%	Classification (GHS-US)
	ifluoroanisole nstituent)		(CAS No) 219998-30-8	<= 100	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text	of H-phrases: see section 16				
3.2.	Mixture				
Not app	icable				
SECT	ON 4: First aid measures				
4.1.	Description of first aid measures				
First-aid	measures general :		se of accident or if you feel unwell, seek a possible). Move the affected personnel		
First-aid	measures after inhalation :		ove person to fresh air and keep comforta ration. Get medical advice/attention.	able for breathin	g. If not breathing, give artificial
First-aid	measures after skin contact :	Wash	with plenty of soap and water. Get med	cal advice/atten	tion.
First-aid	measures after eye contact :	prese	ediately flush eyes thoroughly with water the ent and easy to do. Continue rinsing. Get	medical advice/	attention.
First-aid	measures after ingestion :		OT induce vomiting. Never give anything h out with water. Get medical advice/atte		unconscious person. Rinse
4.2.	Most important symptoms and effects,	both	acute and delayed		
Symptor	ns/injuries :		nost important known symptoms and effe and/or in section 11.	ects are describe	ed in the labelling (see section
4.3.	Indication of any immediate medical at	tentio	n and special treatment needed		
Treat sy	mptomatically.				
SECT	ON 5: Firefighting measures				
5.1.	Extinguishing media				
Suitable	extinguishing media :		ol resistant foam. Carbon dioxide. Dry popriate for surrounding fire.	owder. Water sp	ray. Use extinguishing media
5.2.	Special hazards arising from the subst	ance	or mixture		
Fire haz	ard :	Therr	nal decomposition generates: Carbon ox	ides. Hydrogen	fluoride.
Explosic	n hazard :		of explosion if heated under confinement iners. May form flammable/explosive var		ay or fog for cooling exposed
5.3.	Advice for firefighters				
Firefight		In cas	se of fire: Evacuate area. Fight fire remot	ely due to the ris	sk of explosion.
Protection	on during firefighting :		gas tight chemically protective clothing i ratus. For further information refer to sec		

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SECTION 6: Accidental release meas	sures
6.1. Personal precautions, protective equ	uipment and emergency procedures
General measures	: Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.
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 authoriti	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, including	ng 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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SECTION 9: Physical and chemical	properties
9.1. Information on basic physical and	chemical properties
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	: 35 °C
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	: 162.1092 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	
SECTION 10: Stability and reactivity	y la
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

Keep away from heat, sparks and flame.

Conditions to avoid

10.5. Incompatible materials

Strong acids. 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 effect	S		
Acute toxicity	: Not classified		
Skin corrosion/irritation	: Causes skin irritation.		
Serious eye damage/irritation	: Causes serious eye irritation.		
Respiratory or skin sensitization	: Not classified		

10.4.

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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

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
NI 1-1	

No additional information available

SECTION 13: Disposal consideration	ons
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) 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)

- : UN3271 Ethers, n.o.s., 3, III
- : UN3271
- : Ethers, n.o.s.
- : 3 Class 3 Flammable and combustible liquid 49 CFR 173.120
- : 3 Flammable liquid



- : III Minor Danger
- : 203
- : 242

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DOT Special Provisions (49 CFR 172.102)	 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. IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HD2, 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). T4 - 2.65 178.274(d)(2) Normal
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)	: 3271
Proper Shipping Name (IMDG)	: ETHERS, N.O.S.
Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: III - substances presenting low danger
Air transport	
UN-No. (IATA)	: 3271
Proper Shipping Name (IATA)	: Ethers, 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 product are listed, or exc Substances Control Act (TSCA) inventory exce	cluded from listing, on the United States Environmental Protection Agency Toxic pt for:
246 Trifluoroanisolo	CAS No 210008 20 8 100%

2,4,0-11110010a11isole CAS NO 219996-30-8 100%	2,4,6-Trifluoroanisole		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

15.3. US State regulations

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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

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
IFPA fire hazard IFPA reactivity	 given. 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur. 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
IMIS III Rating lealth	: 2 Moderate Hazard - Temporary or minor injury may occur
lammability	 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 & IIIA)
hysical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NO 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.