

2,4,5-Trifluoroiodobenzene Safety Data Sheet 1600K08 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 05/09/2017 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: 2,4,5-Trifluoroiodobenzene		
CAS No	: 17533-08-3		
Product code	: 1600-K-08		
ormula	: C6H2F3I		
Other means of identification	: MFCD04973898		
.2. Relevant identified uses of the s	ubstance or mixture and uses adv	rised against	
Jse of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and deve	lopment	
I.3. Details of the supplier of the saf	ety 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@synguestlabs.com - <u>www.synguestlabs</u>			
.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Compar	y - Account 10069)	
ECTION 2: Hazard(s) identificati	on		
2.1. Classification of the substance of			
Classification (GHS-US)			
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)	GHS07		
Signal word (GHS-US)	: Warning		
Hazard statements (GHS-US)	: H227 - Combustible liquid H315 - Causes skin irritation H319 - Causes serious eye H335 - May cause respirator	rritation	
Precautionary statements (GHS-US)	P261 - Avoid breathing fume P264 - Wash skin thoroughl P271 - Use only outdoors or P280 - Wear protective glow P302+P352 - If on skin: Was P304+P340 - If inhaled: Ren P305+P351+P338 - If in eye lenses, if present and easy t P312 - Call a POISON CEN P321 - Specific treatment (s P332+P313 - If skin irritation P337+P313 - If sey irritation P362+P364 - Take off conta	v after handling in a well-ventilated area es/protective clothing/eye protection/face prote sh with plenty of soap and water hove person to fresh air and keep comfortable s: Rinse cautiously with water for several minu	ection for breathing utes. Remove contact ibel)
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- 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

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Substance type : Mono-constituent

Substance type	: Mono-constituent		
Name	Product identifier	%	Classification (GHS-US)
2,4,5-Trifluoroiodobenzene (Main constituent)	(CAS No) 17533-08-3	<= 100	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 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 unwe where possible). Move the affected p		
First-aid measures after inhalation	: Remove person to fresh air and keep respiration. Get medical advice/attent		hing. If not breathing, give artificial
First-aid measures after skin contact	: Wash with plenty of soap and water.	Get medical advice/at	tention.
First-aid measures after eye contact	: Immediately flush eyes thoroughly wir present and easy to do. Continue rins		
First-aid measures after ingestion	: Do NOT induce vomiting. Never give mouth out with water. Get medical ad	anything by mouth to vice/attention.	an unconscious person. Rinse
4.2. Most important symptoms and ef	fects, both acute and delayed		
Symptoms/injuries	: The most important known symptoms 2.2) and/or in section 11.	and effects are desci	ribed in the labelling (see section
4.3. Indication of any immediate medi	cal attention and special treatment neede	ed	
Treat symptomatically.	·		
SECTION 5: Firefighting measures			
5.1. Extinguishing media			
Suitable extinguishing media	: Alcohol resistant foam. Carbon dioxic appropriate for surrounding fire.	le. Dry powder. Water	spray. Use extinguishing media
5.2. Special hazards arising from the	substance or mixture		
Fire hazard	: Thermal decomposition generates: C	arbon oxides. Hydroge	en fluoride. Hydrogen iodide.
Explosion hazard	: Risk of explosion if heated under con containers. May form flammable/expl		
5.3. Advice for firefighters			
Firefighting instructions	: In case of fire: Evacuate area. Fight f	ire remotely due to the	e risk of explosion.
Protection during firefighting	: Wear gas tight chemically protective of apparatus. For further information references		
SECTION 6: Accidental release me	asures		
6.1. Personal precautions, protective	equipment and emergency procedures		
General measures	: Evacuate unnecessary personnel. Er vapor or spray.	sure adequate air ven	itilation. Do not breathe gas, fumes,
6.1.1. For non-emergency personnel			
Emergency procedures	: Only qualified personnel equipped with	th suitable protective e	equipment may intervene.

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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 author	rities if product enters sewers or public waters.
6.3. Methods and material for contain	nent 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, inclue	ding 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.
incompatible materials	
Incompatible materials Storage temperature	: 2 - 8 °C Use explosion proof refrigerator

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.

I and chemical properties	
 Linusial 	
: Liquid	
: No data available	
	No data availableNo data availableNo data available

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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	: 257.98 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
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	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
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

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

SECTION 13: Disposal consideration	e
13.1. Waste treatment methods	
	 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	: NA1993 Combustible liquid, n.o.s., 3, III
UN-No.(DOT) Proper Shipping Name (DOT) Transport hazard class(es) (DOT) Packing group (DOT) DOT Packaging Non Bulk (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx) DOT Symbols	 NA1993 Combustible liquid, n.o.s. 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120 III - Minor Danger 203 241 D - Proper shipping name for domestic use only, or to and from Canada,G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102)	 requiring a technical name 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). T1 - 1.5 178.274(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 No additional information available	

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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:

2,4,5-Trifluoroiodobenzene	CAS No 17533-08-3	100%

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

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:

Full lext of n-philases.		
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A	
Flam. Liq. 4	Flammable liquids Category 4	
Skin Irrit. 2	Skin corrosion/irritation Category 2	
STOT SE 3	Specific target organ toxicity (single exposure) Category 3	
H227	Combustible liquid	
H315	Causes skin irritation	
H319	Causes serious eye irritation	
H335	May cause respiratory irritation	
NFPA health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.	
NFPA fire hazard	: 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.	
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.	
HMIS III Rating		
Health	: 2 Moderate Hazard - Temporary or minor injury may occur	
Flammability	 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) 	
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.