

Ethyl iodofluoroacetate Safety Data Sheet 2123K02 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 05/15/2017 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: Ethyl iodofluoroacetate		
CAS No	: 401-58-1		
Product code	: 2123-K-02		
Formula	: C4H6FIO2		
Synonyms	: Fluoroiodoacetic acid ethyl e	ster; Ethyl 2-fluoro-2-iodoethanoate; Ethyl iodofluo	proacetate
Other means of identification	: MFCD01320733		
I.2. Relevant identified uses of the s	ubstance or mixture and uses adv	ised against	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and devel	opment	
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 T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs			
1.4. Emergency telephone number		A (10000)	
Emergency number	: (844) 523-4086 (3E Compan	y - Account 10069)	
SECTION 2: Hazard(s) identificati	on		
2.1. Classification of the substance of			
Classification (GHS-US)			
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)	: H315 - Causes skin irritation H319 - Causes serious eye i H335 - May cause respirator		
Precautionary statements (GHS-US)	P302+P352 - If on skin: Was P304+P340 - If inhaled: Rem P305+P351+P338 - If in eyes lenses, if present and easy to P312 - Call a POISON CENT P321 - Specific treatment (se P332+P313 - If skin irritation P337+P313 - If eye irritation P362+P364 - Take off contar P403+P233 - Store in a well- P405 - Store locked up	after handling in a well-ventilated area es/protective clothing/eye protection/face protection h with plenty of soap and water love person to fresh air and keep comfortable for t s: Rinse cautiously with water for several minutes.	preathing
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2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS U	IS)			
Not applicable	-,			
SECTION 3: Composition/inform	ation on in	aradiante		
		greatents		
3.1. Substance Substance type	· Mono	-constituent		
· ·	. 10110			
Name Ethyl indeflueroppetete		Product identifier	%	Classification (GHS-US) Skin Irrit, 2. H315
Ethyl iodofluoroacetate (Main constituent)		(CAS No) 401-58-1	<= 100	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 measure				<b>.</b>
First-aid measures general	where	e of accident or if you feel unwell, seek possible). Move the affected personne	I away from the c	contaminated area.
First-aid measures after inhalation	respir	ove person to fresh air and keep comfort ation. Get medical advice/attention.		
First-aid measures after skin contact		with plenty of soap and water. Get med		
First-aid measures after eye contact	prese	diately flush eyes thoroughly with water nt and easy to do. Continue rinsing. Ge	t medical advice/	attention.
First-aid measures after ingestion		OT induce vomiting. Never give anything out with water. Get medical advice/atte		unconscious person. Rinse
4.2. Most important symptoms and	effects both	acute and delayed		
	chicolo, both	acute and delayed		
Symptoms/injuries	: The n	nost important known symptoms and eff nd/or in section 11.	ects are describe	ed in the labelling (see section
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6.2. Environmental precautions	Environmental precautions		
Avoid release to the environment. Notify auth	orities if product enters sewers or public waters.		
6.3. Methods and material for contain	8. Methods and material for containment 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			
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.			
Hygiene measures       : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drin smoke when using this product. Always wash hands after handling the product.			
7.2. Conditions for safe storage, inclu	iding any incompatibilities		
Technical measures	: Comply with applicable regulations.		
Storage conditions	: Keep container closed when not in use.		
Incompatible materials : Refer to Section 10 on Incompatible Materials.			
Storage area	: Store in dry, cool, well-ventilated area. Light sensitive.		

# 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.

## **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and	I 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	: 43 °C (@ 3 mm Hg)		
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		
		0D0 ID 01001/00	0/0

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Relative density	: No data available	
Relative vapor density at 20 °C	: No data available	
Molecular mass	: 231.99 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. Stabilized product: Copper.

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 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 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

SECT	ON 12: Ecological information
12.1.	Toxicity
No addi	tional information available
12.2.	Persistence and degradability
No addi	tional information available
12.3.	Bioaccumulative potential

No additional information available

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#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

No additional information available

SECTION 13: Disposal conside	rations
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 informa	ation
Department of Transportation (DOT)	
In accordance with DOT	
Not regulated for transport	
TDG	
No additional information available	
Transport by sea	
No additional information available	
Air transport	
No additional information available	
<b>SECTION 15: Regulatory inform</b>	hation
15.1. US Federal regulations	
All components of this product are listed Substances Control Act (TSCA) inventor	, or excluded from listing, on the United States Environmental Protection Agency Toxic y except for:

( ) ) 1		
Ethyl iodofluoroacetate	CAS No 401-58-1	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:

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

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NFPA health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard	: 1 - Must be preheated 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	<ul> <li>1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)</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.