

Safety Data Sheet 2623702 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Version: 1.1

Date of issue: 02/12/2019 Revision date: 10/05/2020

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: Ethyl 4-chloro-2-fluorobenzoate
CAS No	: 4793-20-8
Product code	: 2623-7-02
Formula	: C9H8CIFO2
Other means of identification	: MFCD03095401
1.2. Relevant identified uses of the su	ubstance 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 America T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs.	
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identification	on
2.1. Classification of the substance of	
Classification (GHS-US)	
Eye Irrit. 2A H319 - Causes serious eye irr STOT SE 3 H335 - May cause respiratory Full text of H-phrases: see section 16	
STOT SE 3 H335 - May cause respiratory	
STOT SE 3 H335 - May cause respiratory Full text of H-phrases: see section 16	
STOT SE 3H335 -May cause respiratoryFull text of H-phrases: see section 162.2.Label elements	
STOT SE 3 H335 - May cause respiratory Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling	rirritation
STOT SE 3 H335 - May cause respiratory Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	r irritation

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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		
Name	Product identifier	%	Classification (GHS-US)
Ethyl 4-chloro-2-fluorobenzoate	(CAS No) 4793-20-8	<= 100	Skin Irrit. 2, H315
(Main constituent)			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 unwell, s where possible). Move the affected person		
First-aid measures after inhalation	Remove person to fresh air and keep cor respiration. Get medical advice/attention.	,	
First-aid measures after skin contact	Wash with plenty of soap and water. Get	medical advice/atte	ention.
First-aid measures after eye contact	Immediately flush eyes thoroughly with w		
	present and easy to do. Continue rinsing	Get medical advice	e/attention.
First-aid measures after ingestion	Do NOT induce vomiting. Never give any mouth out with water. Get medical advice	• •	n unconscious person. Rinse
4.2. Most important symptoms and effects	, both acute and delayed		
Symptoms/injuries	The most important known symptoms an 2.2) and/or in section 11.	d effects are descril	bed in the labelling (see section
4.3. Indication of any immediate medical a	ttention and special treatment needed		
Treat symptomatically.			
SECTION 5: Firefighting measures			
5.1. Extinguishing media			
	Alcohol resistant foam. Carbon dioxide. E appropriate for surrounding fire.	ory powder. Water s	spray. Use extinguishing media
5.2. Special hazards arising from the subs	tance or mixture		
	Thermal decomposition generates: Carbo	on oxides. Hydrogei	n chloride. Hydrogen fluoride.
	Risk of explosion if heated under confine containers.		
5.3. Advice for firefighters			
Firefighting instructions	In case of fire: Evacuate area. Fight fire r	emotely due to the	risk of explosion.
Protection during firefighting	Wear gas tight chemically protective cloth apparatus. For further information refer to		
SECTION 6: Accidental release measu			
6.1. Personal precautions, protective equi			
General measures	Evacuate unnecessary personnel. Ensurvapor or spray.	e adequate air vent	ilation. Do not breathe gas, fumes,
6.1.1. For non-emergency personnel			
	Only qualified personnel equipped with s	uitable protective ed	quipment may intervene.
6.1.2. For emergency responders			
	Do not attempt to take action without suit		ipment. For further information
Emergency procedures	refer to section 8: "Exposure controls/per Gas/vapor heavier than air. May accumu		ces, particularly at or below ground
	level.		-

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6.2. Environmental precautions		
Avoid release to the environment. Notify authorities if product enters sewers or public waters.		
. 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.		
: 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.		
: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".		
SECTION 7: Handling and storage		
: 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.		
: 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		
: Comply with applicable regulations.		
: Keep container closed when not in use.		
: Refer to Section 10 on Incompatible Materials.		
: 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.

SECTION 9: Physical and chemical properties

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Vapor pressure	: No data available		
Oxidizing properties	: No data available		
Explosive properties	: No data available		
Explosion limits	: No data available		
Flammability (solid, gas)	: No data available		
Relative evaporation rate (butyl acetate=1)	: No data available		
Flash point	: No data available		
Boiling point	: 206 °C		
Freezing point	: No data available		
Melting point	: No data available		
рН	: No data available		
Odor threshold	: No data available		
Odor	: No data available		
Color	: No data available		
Physical state	: Liquid		
9.1. Information on basic physical and	d chemical properties		

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: No data available
: No data available
: 0.936 g/ml
: 202.61 g/mol
: No data available

9.2. **Other information**

No additional information available

SECT	ION 10: Stability and reactivity
10.1.	Reactivity
No addi	tional information available
10.2.	Chemical stability
The pro	duct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No addi	tional information available
10.4.	Conditions to avoid
Keep av	vay from heat, sparks and flame.
10.5.	Incompatible materials
Strong	oxidizing agents. Strong acids. Strong bases.
10.6.	Hazardous decomposition products

Hazardous decomposition products 10.6.

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.

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

SECTION	DN 12: Ecological information
12.1.	Toxicity
No additi	onal information available
12.2.	Persistence and degradability
No additi	onal information available
12.3.	Bioaccumulative potential
No additi	onal 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 consider	ations
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	tion
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

SECTION 15: Regulatory information

15.1. US Federal regulations

Ethyl 4-chloro-2-fluorobenzoate (4793-20-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag PMN	

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

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

Revision date

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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	
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	: 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)	
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.