

Safety Data Sheet 26217X8 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 03/04/2016 Version: 1.0

SECTION 1. Identification	
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1.1. Identification	
Product form	: Substance
Substance name	: 4,5-Dichloro-2-fluorobenzoic acid
CAS No	: 289039-49-2
Product code	: 2621-7-X8
Formula	: C7H3Cl2FO2
Other means of identification	: MFCD00672988
1.2. Relevant identified uses of the subst	ance 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 safety d	lata 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.com	1
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identification	
2.1. Classification of the substance or mi	xture
Classification (GHS-US)	
Skin Irrit. 2 H315 - Causes skin irritation	
Eye Irrit. 2A H319 - Causes serious eye irritati STOT SE 3 H335 - May cause respiratory irrit	
Full text of H-phrases: see section 16	
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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 irritation H335 - May cause respiratory irritation
Precautionary statements (GHS-US)	<ul> <li>P261 - Avoid breathing dust, mist, spray</li> <li>P264 - Wash skin thoroughly after handling</li> <li>P271 - Use only outdoors or in a well-ventilated area</li> <li>P280 - Wear protective gloves/protective clothing/eye protection/face protection</li> <li>P302+P352 - If on skin: Wash with plenty of soap and water</li> <li>P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing</li> <li>P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact</li> <li>lenses, if present and easy to do. Continue rinsing</li> <li>P312 - Call a POISON CENTER or doctor/physician if you feel unwell</li> <li>P321 - Specific treatment (see supplemental first aid instructions on this label)</li> <li>P332+P313 - If skin irritation occurs: Get medical advice/attention</li> <li>P362+P364 - Take off contaminated clothing and wash it before reuse</li> <li>P403+P233 - Store in a well-ventilated place. Keep container tightly closed</li> <li>P405 - Store locked up</li> <li>P501 - Dispose of contents/container to an approved waste disposal plant</li> </ul>

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2.3. Other hazards No additional information available						
2.4. Unknown acute toxicity (GHS US	5)					
Not applicable	/					
SECTION 3: Composition/informa	tion on in	aredients				
3.1. Substance						
Substance type	: Mono	-constituent				
Name		Product identifier		%	Classification (GHS-US)	
4,5-Dichloro-2-fluorobenzoic acid		(CAS No) 289039-49-2		<= 100	Skin Irrit. 2, H315	
(Main constituent)					Eye Irrit. 2A, H319 STOT SE 3, H335	
Full text of H-phrases: see section 16					0.0.020,0000	
3.2. Mixture						
Not applicable						
SECTION 4: First aid measures						
4.1. Description of first aid measures	5					
First-aid measures general	where	e of accident or if you feel ur possible). Move the affected	personnel	away from the	contaminated area.	
First-aid measures after inhalation	respir	ive person to fresh air and ke ation. Get medical advice/att	ention.			icial
First-aid measures after skin contact		with plenty of soap and wate				
First-aid measures after eye contact	prese	diately flush eyes thoroughly nt and easy to do. Continue i	insing. Get	medical advice	attention.	
First-aid measures after ingestion		OT induce vomiting. Never gi n out with water. Get medical			unconscious person. Rinse	•
4.2. Most important symptoms and e						
Symptoms/injuries		nost important known sympto nd/or in section 11.	ms and effe	ects are describ	ed in the labelling (see secti	on
4.3. Indication of any immediate med	ical attention	n and special treatment nee	eded			
Treat symptomatically.						
SECTION 5: Firefighting measure	S					
5.1. Extinguishing media						
Suitable extinguishing media		ol resistant foam. Carbon dio priate for surrounding fire.	xide. Dry po	owder. Water sp	oray. Use extinguishing med	ia
5.2. Special hazards arising from the	substance of	or mixture				
Fire hazard	: Thern	nal decomposition generates	Carbon ox	ides. Hydrogen	chloride. Hydrogen fluoride.	
5.3. Advice for firefighters						
Firefighting instructions	: In cas	e of fire: Evacuate area.				
Protection during firefighting		gas tight chemically protectivation atus. For further information				
SECTION 6: Accidental release m						
6.1. Personal precautions, protective					ation. Do not broath a duct	
General measures		ate unnecessary personnel.	Ensure ade	equate air ventil	auon. Do not preathe dust.	
6.1.1. For non-emergency personnel						
Emergency procedures	: Only o	qualified personnel equipped	with suitabl	le protective equ	uipment may intervene.	
6.1.2. For emergency responders						
Protective equipment		t attempt to take action witho o section 8: "Exposure contro			oment. For further informatio	n
6.2. Environmental precautions						
Avoid release to the environment. Notify auth	orities if prod	uct enters sewers or public w	aters.			
6.3. Methods and material for contain	ment and cl	eaning up				
For containment	: Stop I	eak if safe to do so.				
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Methods for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.
Other information	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
6.4. Reference to other section	S
No additional information available	
SECTION 7: Handling and st	prage
7.1. Precautions for safe hand	ing
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 dust, mist, spray. 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, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storag	e, including any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use.

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.

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

9.1. Information on basic physical a	nd chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: 148 - 150 °C
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	: 209 g/mol
Solubility	: No data available
Log Pow	: No data available

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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 re	eactivity
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
The product is stable at normal handli	ng and storage conditions.
10.3. Possibility of hazardous r	eactions
No additional information available	
10.4. Conditions to avoid	
Keep away from heat, sparks and flan	10.
10.5. Incompatible materials	
Strong bases. Strong oxidizing agents	i.
10.6. Hazardous decomposition	I products
Under normal conditions of storage ar fire, see Section 5.	nd use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of
<b>SECTION 11: Toxicological i</b>	nformation
11.1. Information on toxicologic	al 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 12: Ecological information					
12.1.	Toxicity				
No addit	No additional information available				
12.2.	Persistence and degradability				
No addit	tional information available				
12.3.	Bioaccumulative potential				
No additional information available					
12.4.	Mobility in soil				
No additional information available					
12.5.	Other adverse effects				
No additional information available					

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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**

### **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

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:

4,5-Dichloro-2-fluorobenzoic acidCAS No 289039-49-2100%	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

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	: 0 - Materials that will not burn.
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	: 0 Minimal Hazard - Materials that will not burn
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.