

Safety Data Sheet 26217X2 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	
1.1. Identification	
Product form	: Substance
Substance name	: 3-Chloro-2,4,5,6-tetrafluorobenzoic acid
CAS No	: 5360-81-6
Product code	: 2621-7-X2
Formula	: C7HCIF4O2
Other means of identification	: MFCD03001168
1.2. Relevant identified uses of the s	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 Americ T (386) 462-0788 - F (386) 462-7097	id de la constant de
info@synquestlabs.com - www.synquestlabs	s.com
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identificati	on
2.1. Classification of the substance of	
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	
, ,	y intation
Full text of H-phrases: see section 16	
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	
Signal word (CHS LIS)	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)	: P261 - Avoid breathing dust, mist, spray
	P264 - Wash skin thoroughly after handling
	P271 - Use only outdoors or in a well-ventilated area
	P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+P352 - If on skin: Wash with plenty of soap and water
	P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
	P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact
	lenses, if present and easy to do. Continue rinsing
	P312 - Call a POISON CENTER or doctor/physician if you feel unwell P321 - Specific treatment (see supplemental first aid instructions on this label)
	P32+P313 - If skin irritation occurs: Get medical advice/attention
	P337+P313 - If eye irritation persists: Get medical advice/attention
	P362+P364 - Take off contaminated clothing and wash it before reuse
	P403+P233 - Store in a well-ventilated place. Keep container tightly closed P405 - Store locked up
	P405 - Store locked up P501 - Dispose of contents/container to an approved waste disposal plant

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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 ingradiants		
3.1. Substance	on on ingredients		
Substance type	: Mono-constituent		
		%	Classification (CHC UC)
Name 3-Chloro-2,4.5,6-tetrafluorobenzoic acid	(CAS No) 5360-81-6	<b>7</b> 0 <= 100	Classification (GHS-US) Skin Irrit. 2, H315
(Main constituent)		100	Eye Irrit. 2A, H319
ull text of H-phrases: see section 16			STOT SE 3, H335
.2. Mixture			
lot applicable			
ECTION 4: First aid measures			
1. Description of first aid measures			
irst-aid measures general	: In case of accident or if you feel unwell,		
irst-aid measures after inhalation	where possible). Move the affected per		
ווסרמות ווופמסעופס מונכו ווווומומנוטוו	: Remove person to fresh air and keep c respiration. Get medical advice/attentio		ng. In not breathing, give artificial
irst-aid measures after skin contact	: Wash with plenty of soap and water. Ge	et medical advice/atte	ntion.
irst-aid measures after eye contact	: Immediately flush eyes thoroughly with present and easy to do. Continue rinsin		
rst-aid measures after ingestion	: Do NOT induce vomiting. Never give ar mouth out with water. Get medical advi		n unconscious person. Rinse
.2. Most important symptoms and effe	cts, both acute and delayed		
ymptoms/injuries	: The most important known symptoms a 2.2) and/or in section 11.	ind effects are describ	ed in the labelling (see section
.3. Indication of any immediate medica	al attention and special treatment needed		
reat symptomatically.			
ECTION 5: Firefighting measures			
.1. Extinguishing media			
uitable extinguishing media	: Alcohol resistant foam. Carbon dioxide. appropriate for surrounding fire.	Dry powder. Water s	pray. Use extinguishing media
.2. Special hazards arising from the su	bstance or mixture		
ire hazard	: Thermal decomposition generates: Car	bon oxides. Hydroger	h chloride. Hydrogen fluoride.
3. Advice for firefighters			
irefighting instructions	: In case of fire: Evacuate area.		
rotection during firefighting	: Wear gas tight chemically protective clo apparatus. For further information refer		
ECTION 6: Accidental release mea			
	uipment and emergency procedures		
eneral measures	: Evacuate unnecessary personnel. Ensu	ure adequate air venti	ation. Do not breathe dust.
.1.1. For non-emergency personnel			
	: Only qualified personnel equipped with	suitable protective eq	uipment may intervene.
mergency procedures	: Only qualified personnel equipped with	suitable protective eq	uipment may intervene.
nergency procedures	<ul> <li>Only qualified personnel equipped with</li> <li>Do not attempt to take action without surefer to section 8: "Exposure controls/pr</li> </ul>	uitable protective equi	
mergency procedures 1.2. For emergency responders rotective equipment	: Do not attempt to take action without su	uitable protective equi	
The second secon	: Do not attempt to take action without su refer to section 8: "Exposure controls/p	uitable protective equi ersonal protection".	
mergency procedures .1.2. For emergency responders rotective equipment .2. Environmental precautions .void release to the environment. Notify authority	: Do not attempt to take action without su refer to section 8: "Exposure controls/p ties if product enters sewers or public waters	uitable protective equi ersonal protection".	
Energency procedures A.1.2. For emergency responders Protective equipment A.2. Environmental precautions Avoid release to the environment. Notify authority	: Do not attempt to take action without su refer to section 8: "Exposure controls/p ties if product enters sewers or public waters	uitable protective equi ersonal protection".	

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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 sections	
No additional information available	
<b>SECTION 7: Handling and storage</b>	•
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 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 storage, incl	uding 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.

### **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	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: 89 - 91 °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	: 228.53 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	
<b>SECTION 10: Stability and react</b>	livity
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
The product is stable at normal handling a	nd storage conditions.
10.3. Possibility of hazardous react	ions
No additional information available	
10.4. Conditions to avoid	
Keep away from heat, sparks and flame.	
10.5. Incompatible materials	
Strong bases. Strong oxidizing agents.	
10.6. Hazardous decomposition pro	oducts
Under normal conditions of storage and us fire, see Section 5.	se, hazardous decomposition products should not be produced. Hazardous decomposition products in case of
<b>SECTION 11: Toxicological info</b>	rmation
11.1. Information on toxicological e	ffects
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	: Not classified

exposure) Aspiration hazard

: Not classified

SECTION 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 addi	tional information available	
12.4.	Mobility in soil	
No addi	tional information available	
12.5.	Other adverse effects	
No add	tional information available	

No additional information available

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<b>SECTION 13: Disposal considera</b>	tions	
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:

3-Chloro-2,4,5,6-tetrafluorobenzoic acid	CAS No 5360-81-6	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	: 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.