

Safety Data Sheet 26177X8 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 03/24/2016 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: 3'-Chloro-2',6'-difluoroacetophenone		
CAS No	: 177942-50-6		
Product code	: 2617-7-X8		
Formula	: C8H5CIF2O		
Other means of identification	: MFCD01631329		
1.2. Relevant identified uses of the subs	stance 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	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.com	<u>m</u>		
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 n	nixture		
Classification (GHS-US)			
Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eye irritaSTOT SE 3H335 - May cause respiratory irr			
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 irritation H335 - May cause respiratory irritation		
Precautionary statements (GHS-US)	<ul> <li>P261 - Avoid breathing fumes, mist, spray, vapors</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				
lo additional information available				
.4. Unknown acute toxicity (GHS US)				
lot applicable				
ECTION 3: Composition/informati	on on ingredients			
.1. Substance				
ubstance type	: Mono-constituent			
Name	Product ide	ntifier	%	Classification (GHS-US)
3'-Chloro-2',6'-difluoroacetophenone (Main constituent)	(CAS No) 1779	42-50-6	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
ull text of H-phrases: see section 16				
2. Mixture				
ot applicable				
ECTION 4: First aid measures				
1. Description of first aid measures				
rst-aid measures general	where possible). Mo	ove the affected personne	l away from the	
rst-aid measures after inhalation		resh air and keep comfort dical advice/attention.	table for breathir	ng. If not breathing, give artificial
rst-aid measures after skin contact		soap and water. Get med		
rst-aid measures after eye contact	present and easy to	do. Continue rinsing. Get	t medical advice	
rst-aid measures after ingestion		niting. Never give anything r. Get medical advice/atte		unconscious person. Rinse
4.2. Most important symptoms and effects, both acute and delayed				
Symptoms/injuries       : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.				
.3. Indication of any immediate medic	al attention and special	treatment needed		
reat symptomatically.				
ECTION 5: Firefighting measures				
1. Extinguishing media				
uitable extinguishing media	: Alcohol resistant for appropriate for surre		oowder. Water sp	oray. Use extinguishing media
2. Special hazards arising from the s	ubstance or mixture			
re hazard		-		chloride. Hydrogen fluoride.
xplosion hazard	: Risk of explosion if containers.	heated under confinemen	t. Use water spra	ay or fog for cooling exposed
3. Advice for firefighters				
irefighting instructions	: In case of fire: Evac	uate area. Fight fire remo	tely due to the ri	isk of explosion.
rotection during firefighting				with self contained breathing re controls/personal protection".
ECTION 6: Accidental release me				
1. Personal precautions, protective e				attan Danath it i f
eneral measures	: Evacuate unnecess vapor or spray.	ary personnel. Ensure ad	equate air ventila	ation. Do not breathe gas, fumes,
1.1. For non-emergency personnel				
mergency procedures	: Only qualified perso	nnel equipped with suitab	ole protective equ	uipment may intervene.
1.2. For emergency responders				
rotective equipment		ke action without suitable Exposure controls/persona		oment. For further information
mergency procedures			•	es, particularly at or below ground
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6.2. Environmental precautions	6.2. Environmental precautions			
Avoid release to the environment. Notify authoritie	es if product enters sewers or public waters.			
6.3. Methods and material for containment	nt 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, drink or smoke when using this product. Always wash hands after handling the product.			
7.2. Conditions for safe storage, including 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 chemical properties Physical state : Liquid Color : No data available : No data available Odor Odor threshold : No data available pН : No data available : No data available Melting point Freezing point : No data available Boiling point : No data available Flash point : No data available Relative evaporation rate (butyl acetate=1) : No data available : No data available Flammability (solid, gas) Explosion limits : No data available Explosive properties : No data available Oxidizing properties : No data available Vapor pressure : No data available 12/06/2016 EN (English US) SDS ID: 26177X8

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Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Molecular mass	: 190.58 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

SECI	ION 10: Stability and reactivity		
10.1.	Reactivity		
No additional information available			
10.2.	Chemical stability		
The pro	oduct is stable at normal handling and storage conditions.		
10.3.	Possibility of hazardous reactions		
No add	itional information available		
10.4.	Conditions to avoid		
Keep a	way from heat, sparks and flame.		
10.5.	Incompatible materials		
Strong oxidizing agents.			
10.6.	Hazardous decomposition products		
	normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of e Section 5.		

SECTI	ON 11: Toxicological information
11.1.	Information on toxicological effects
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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	SECTION 12: Ecological information			
12.1.	Toxicity			
No add	itional information available			
12.2.	Persistence and degradability			
No add	itional information available			
12.3.	Bioaccumulative potential			
No add	itional 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 a	uthorized incinerator equipped wi	th an afterburner and a flue gas scrubber.
Waste disposal recommendations	: Dispose of cont	ents/container in accordance with	licensed collector's sorting instructions.
Additional information	: Recycle the ma	terial 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 inform	ation		
15.1. US Federal regulations			
All components of this product are listed, Substances Control Act (TSCA) inventory		on the United States Environment	al Protection Agency Toxic
3'-Chloro-2',6'-difluoroacetophenone		CAS No 177942-50-6	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	: 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.