

4-Chloro-2-fluorophenylacetic acid Safety Data Sheet 2621707 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. Identification	
	. Cultatorea
Product form	: Substance
	: 4-Chloro-2-fluorophenylacetic acid
CAS No	: 194240-75-0
Product code	: 2621-7-07
ormula	: C8H6CIFO2
Other means of identification	: MFCD03095402
	substance or mixture and uses advised against
Ise of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development
.3. Details of the supplier of the saf	ety data sheet
synQuest Laboratories, Inc.	
O. Box 309 Nachua, FL 32615 - United States of Americ (386) 462-0788 - F (386) 462-7097	
nfo@synquestlabs.com - www.synquestlabs	<u>s.com</u>
.4. Emergency telephone number	
mergency number	: (844) 523-4086 (3E Company - Account 10069)
ECTION 2: Hazard(s) identificati	on
1. Classification of the substance of	
lassification (CHS-US)	
Skin Irrit. 2 H315 - Causes skin irritation	
kin Irrit. 2 H315 - Causes skin irritation ye Irrit. 2A H319 - Causes serious eye in	rritation
kin Irrit. 2 H315 - Causes skin irritation ye Irrit. 2A H319 - Causes serious eye in TOT SE 3 H335 - May cause respirator	rritation
kin Irrit. 2H315 -Causes skin irritationye Irrit. 2AH319 -Causes serious eye inTOT SE 3H335 -May cause respirator	rritation
kin Irrit. 2 H315 - Causes skin irritation ye Irrit. 2A H319 - Causes serious eye in TOT SE 3 H335 - May cause respirator ull text of H-phrases: see section 16	rritation
Skin Irrit. 2H315 - Causes skin irritationye Irrit. 2AH319 - Causes serious eye inSTOT SE 3H335 - May cause respiratorFull text of H-phrases: see section 162.2.Label elements	rritation
Eye Irrit. 2A H319 - Causes serious eye in STOT SE 3 H335 - May cause respirator Full text of H-phrases: see section 16	rritation
kin Irrit. 2 H315 - Causes skin irritation ye Irrit. 2A H319 - Causes serious eye in TOT SE 3 H335 - May cause respirator full text of H-phrases: see section 16 .2. Label elements SHS-US labeling	rritation y irritation
kin Irrit. 2 H315 - Causes skin irritation ye Irrit. 2A H319 - Causes serious eye in TOT SE 3 H335 - May cause respirator ull text of H-phrases: see section 16 .2. Label elements HS-US labeling lazard pictograms (GHS-US)	rritation y irritation
kin Irrit. 2 H315 - Causes skin irritation ye Irrit. 2A H319 - Causes serious eye in TOT SE 3 H335 - May cause respirator ull text of H-phrases: see section 16 .2. Label elements HS-US labeling lazard pictograms (GHS-US)	rritation y irritation : GHS07 : Warning
ikin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye in STOT SE 3 H335 - May cause respirator full text of H-phrases: see section 16 .2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	rritation y irritation
 kin Irrit. 2 H315 - Causes skin irritation type Irrit. 2A H319 - Causes serious eye in STOT SE 3 H335 - May cause respirator full text of H-phrases: see section 16 .2. Label elements .3. Babeling .4. Babeli	rritation y irritation : i = i = i = i = i = i = i = i = i = i =
Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye in STOT SE 3 H335 - May cause respirator Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Hazard statements (GHS-US)	rritation y irritation : $irritation$: irritation : $irritation$: irritation : $irritation : irritation : irritation$
 kin Irrit. 2 H315 - Causes skin irritation type Irrit. 2A H319 - Causes serious eye in STOT SE 3 H335 - May cause respirator full text of H-phrases: see section 16 .2. Label elements .3. Babeling .4. Babeli	rritation y irritation :
Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye in STOT SE 3 H335 - May cause respirator Full text of H-phrases: see section 16 2.2. Label elements SHS-US labeling	rritation y irritation :

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

 ccording to Federal Register / Vol. 77, No. 58 / Mor 2.3. Other hazards 	,				
o additional information available					
4. Unknown acute toxicity (GHS US	5)				
ot applicable					
ECTION 3: Composition/informa	tion on ingredients				
.1. Substance					
substance type	: Mono-constituent				
Name	Product identifie	r	%	Classification (GHS-US)	
4-Chloro-2-fluorophenylacetic acid (Main constituent)	(CAS No) 194240-75	-0	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335	
Full text of H-phrases: see section 16		· ·		·	
.2. Mixture					
lot applicable					
ECTION 4: First aid measures					
1. Description of first aid measures	i				
irst-aid measures general	where possible). Move the	e affected personnel a	way from the		
irst-aid measures after inhalation	respiration. Get medical	advice/attention.		g. If not breathing, give artifici	ial
irst-aid measures after skin contact	: Wash with plenty of soar				
irst-aid measures after eye contact	present and easy to do.	Continue rinsing. Get n	nedical advice/		∍s, if
irst-aid measures after ingestion	: Do NOT induce vomiting mouth out with water. Ge			unconscious person. Rinse	
.2. Most important symptoms and e					
ymptoms/injuries	: The most important know 2.2) and/or in section 11		ts are describe	ed in the labelling (see sectior	1
I.3. Indication of any immediate med	lical attention and special trea	ment needed			
reat symptomatically.					
SECTION 5: Firefighting measure	S				
.1. Extinguishing media					
uitable extinguishing media	: Alcohol resistant foam. C appropriate for surround		wder. Water sp	oray. Use extinguishing media	
.2. Special hazards arising from the	substance or mixture				
ire hazard	: Thermal decomposition	generates: Carbon oxic	les. Hydrogen	chloride. Hydrogen fluoride.	
.3. Advice for firefighters					
irefighting instructions	: In case of fire: Evacuate	area.			
rotection during firefighting				vith self contained breathing e controls/personal protection	ı".
ECTION 6: Accidental release m		e e e dunne e			
.1. Personal precautions, protective General measures			ulate air ventile	ation. Do not breathe dust.	
	. Evaluate uninecessaly p	CISCINCI. LIISUIE AUEU	pare an ventile		
1.1. For non-emergency personnel mergency procedures	: Only qualified personnel	equipped with suitable	protective equ	uipment may intervene.	
.1.2. For emergency responders					
rotective equipment	: Do not attempt to take a refer to section 8: "Expos			ment. For further information	
.2. Environmental precautions					
void release to the environment. Notify auth	orities if product enters sewers	or public waters.			
.3. Methods and material for contai	ment and cleaning up				
or containment	: Stop leak if safe to do so				
	•				2/2
2/06/2016	EN (English US)	5	SDS ID: 2621707		2/6

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

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 sect	ons
No additional information available	
SECTION 7: Handling and	storage
7.1. Precautions for safe ha	ndling
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 stor	age, 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	d chemical properties
Physical state	: Solid
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	: 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	: 188.58 g/mol
Solubility	: No data available
Log Pow	: No data available

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

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 har	dling and storage conditions.
10.3. Possibility of hazardou	s reactions
No additional information available	
10.4. Conditions to avoid	
Keep away from heat, sparks and f	lame.
10.5. Incompatible materials	
Strong bases. Strong oxidizing age	nts.
10.6. Hazardous decomposit	ion products
Under normal conditions of storage fire, see Section 5.	and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of
SECTION 11: Toxicologica	I information
11.1. Information on toxicolo	giant offente

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

SECTI	ON 12: Ecological information			
12.1.	Toxicity			
No addit	ional information available			
12.2.	Persistence and degradability			
No addit	ional information available			
12.3.	Bioaccumulative potential			
No addit	No additional information available			
12.4.	Mobility in soil			
No additional information available				
12.5.	Other adverse effects			
No addit	ional information available			

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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-Chloro-2-fluorophenylacetic acid	CAS No 194240-75-0	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

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

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.