

Safety Data Sheet 2621514 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 03/25/2016 Version: 1.0

SECTION 1: Identification 1.1. Identification Product form	
	: Substance
Substance name	: 3'-Chloro-[1,1'-biphenyl]-2-carboxylic acid
CAS No	: 73178-79-7
Product code	: 2621-5-14
Formula	: C13H9ClO2
Other means of identification	: MFCD03426500
1.2. Relevant identified uses of the su	ibstance 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 safet	ty 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@synguestlabs.com - www.synguestlabs.c	
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identificatio	on and a second s
2.1. Classification of the substance or	
Classification (GHS-US)	
Skin Irrit. 2 H315 - Causes skin irritation	
Eye Irrit. 2A H319 - Causes serious eye irri STOT SE 3 H335 - May cause respiratory	
	Initation
Full text of H-phrases: see section 16	
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	
	GHS07
Signal word (GHS-US)	GHS07 : Warning
Signal word (GHS-US) Hazard statements (GHS-US)	<ul> <li>Warning</li> <li>H315 - Causes skin irritation</li> <li>H319 - Causes serious eye irritation</li> </ul>
<b>o</b> ( )	:Warning :H315 - Causes skin irritation

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

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2.3. Other hazards				
o additional information available 4. Unknown acute toxicity (GHS US)				
ot applicable				
	• •	and Provide		
ECTION 3: Composition/informat	ion on ing	gredients		
1. Substance		e e e titue et		
ubstance type	: Mono-	constituent		
Name		Product identifier	%	Classification (GHS-US)
3'-Chloro-[1,1'-biphenyl]-2-carboxylic acid (Main constituent)		(CAS No) 73178-79-7	<= 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				
st-aid measures general	where	e of accident or if you feel unw possible). Move the affected p	ersonnel away from th	e contaminated area.
rst-aid measures after inhalation	respira	ation. Get medical advice/atten	tion.	ning. If not breathing, give artificial
rst-aid measures after skin contact		with plenty of soap and water.		
rst-aid measures after eye contact	preser	nt and easy to do. Continue ring	sing. Get medical advid	
rst-aid measures after ingestion		OT induce vomiting. Never give out with water. Get medical ac		an unconscious person. Rinse
2. Most important symptoms and ef				
/mptoms/injuries		ost important known symptom: nd/or in section 11.	s and effects are descr	ibed in the labelling (see section
3. Indication of any immediate medi reat symptomatically.	cal attentior	and special treatment need	ed	
ECTION 5: Firefighting measures 1. Extinguishing media				
uitable extinguishing media		ol resistant foam. Carbon dioxid priate for surrounding fire.	de. Dry powder. Water	spray. Use extinguishing media
2. Special hazards arising from the	substance o	r mixture		
re hazard	: Therm	al decomposition generates: C	arbon oxides. Hydroge	en chloride.
3. Advice for firefighters				
refighting instructions	: In cas	e of fire: Evacuate area.		
rotection during firefighting		gas tight chemically protective		
-	appara	atus. For further information rel	er to section 8: "Expos	sure controls/personal protection".
ECTION 6: Accidental release me	asures			
1. Personal precautions, protective		ind emergency procedures		
eneral measures		ate unnecessary personnel. Er	nsure adequate air ven	tilation. Do not breathe dust.
		,,		
1.1. For non-emergency personnel nergency procedures	: Only c	ualified personnel equipped wi	th suitable protective e	equipment may intervene.
1.2. For emergency responders				
otective equipment		t attempt to take action without o section 8: "Exposure controls		uipment. For further information
2. Environmental precautions				
void release to the environment. Notify author	orities if produ	uct enters sewers or public wat	ers.	
3. Methods and material for contain				
or containment		eak if safe to do so.		
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2/06/2016	EN (Eng	isn US)	SDS ID: 26215	14 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 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 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, inclue	ling 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 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	: 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	: 232.66 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 re	eactivity
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
The product is stable at normal handl	ing and storage conditions.
10.3. Possibility of hazardous r	reactions
No additional information available	
10.4. Conditions to avoid	
Keep away from heat, sparks and flar	me.
10.5. Incompatible materials	
Strong bases. Strong oxidizing agents	S.
10.6. Hazardous decomposition	n products
Under normal conditions of storage at fire, see Section 5.	nd use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of
SECTION 11: Toxicological	information
11.1. Information on toxicologi	

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	ional information available
12.4.	Mobility in soil
No addit	ional 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

to an authorized incinerator equipped with an afterburner and a flue gas scrubber.	
of contents/container in accordance with licensed collector's sorting instructions.	
: Recycle the material as far as possible.	
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### **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-[1,1'-biphenyl]-2-carboxylic acid	CAS No 73178-79-7	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       : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is 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       : 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.		
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	NFPA health hazard	incapacitation or possible residual injury unless prompt
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	NFPA fire hazard	: 0 - Materials that will not burn.
Health: 2 Moderate Hazard - Temporary or minor injury may occurFlammability: 0 Minimal Hazard - Materials that will not burnPhysical: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT	NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions,
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	HMIS III Rating	
Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT	Health	: 2 Moderate Hazard - Temporary or minor injury may occur
	Flammability	: 0 Minimal Hazard - Materials that will not burn
	Physical	

#### 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.