

4'-Chloro-[1,1'-biphenyl]-2-carboxylic acid

Safety Data Sheet 26215Y9 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. Identification	
roduct form	: Substance
ubstance name	: 4'-Chloro-[1,1'-biphenyl]-2-carboxylic acid
AS No	: 7079-15-4
roduct code	: 2621-5-Y9
ormula	: C13H9CIO2
vnonvms	: 2-(4-Chlorophenyl)benzoic acid; 2-Carboxy-4'-chlorobiphenyl
ther means of identification	: MFCD03426504
	substance or mixture and uses advised against
se of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development
3. Details of the supplier of the sa	ifety data sheet
synQuest Laboratories, Inc.	
P.O. Box 309	
lachua, FL 32615 - United States of Ameri (386) 462-0788 - F (386) 462-7097	ICA
fo@synquestlabs.com - www.synquestlab	os.com
4. Emergency telephone number	
mergency number	: (844) 523-4086 (3E Company - Account 10069)
Iassification (GHS-US) kin Irrit. 2 H315 - Causes skin irritatior ye Irrit. 2A H319 - Causes serious eye	n irritation
Classification (GHS-US)kin Irrit. 2H315 - Causes skin irritationye Irrit. 2AH319 - Causes serious eyeTOT SE 3H335 - May cause respirato	n irritation
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Classification (GHS-US) Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	n irritation my irritation
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Classification (GHS-US)Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eyeSTOT SE 3H335 - May cause respiratoFull text of H-phrases: see section 162.2.Label elements	n irritation my irritation
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2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/informatio	n on in	gredients		
8.1. Substance				
Substance type	: Mono	-constituent		
Name		Product identifier	%	Classification (GHS-US)
4'-Chloro-[1,1'-biphenyl]-2-carboxylic acid (Main constituent)		(CAS No) 7079-15-4	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-phrases: see section 16				
3.2. Mixture				
Not applicable				
SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures general		se of accident or if you feel unwell, seek r e possible). Move the affected personnel		
First-aid measures after inhalation		ove person to fresh air and keep comforta ation. Get medical advice/attention.	able for breathin	g. If not breathing, give artificial
First-aid measures after skin contact	: Wash	with plenty of soap and water. Get medi	cal advice/atter	ition.
First-aid measures after eye contact		diately flush eyes thoroughly with water f nt and easy to do. Continue rinsing. Get		
First-aid measures after ingestion		OT induce vomiting. Never give anything n out with water. Get medical advice/atter		unconscious person. Rinse
4.2. Most important symptoms and effec	ts, both	acute and delayed		
Symptoms/injuries		nost important known symptoms and effe ind/or in section 11.	cts are describe	ed in the labelling (see section
4.3. Indication of any immediate medical	attentio	n and special treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media		ol resistant foam. Carbon dioxide. Dry po priate for surrounding fire.	owder. Water sp	oray. Use extinguishing media
5.2. Special hazards arising from the sul	ostance o	or mixture		
Fire hazard	: Therr	nal decomposition generates: Carbon oxi	des. Hydrogen	chloride.
5.3. Advice for firefighters				
Firefighting instructions	: In cas	se of fire: Evacuate area.		
Protection during firefighting		gas tight chemically protective clothing in atus. For further information refer to sect		
SECTION 6: Accidental release meas	sures			
6.1. Personal precautions, protective eq		and emergency procedures		
		uate unnecessary personnel. Ensure ade	quate air ventila	ation. Do not breathe dust.
General measures				
General measures	: Only	qualified personnel equipped with suitabl	e protective equ	lipment may intervene.
General measures 6.1.1. For non-emergency personnel	: Only	qualified personnel equipped with suitabl	e protective equ	uipment may intervene.
General measures 6.1.1. For non-emergency personnel Emergency procedures	: Do no	qualified personnel equipped with suitabl of attempt to take action without suitable p to section 8: "Exposure controls/personal	protective equip	

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6.3. Methods and material for con	. Methods and material for containment and cleaning up			
For containment	: Stop leak if safe to do so.			
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 stora	age			
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, i	ncluding any incompatibilities			
Technical measures	: Comply with applicable regulations.			

l'echnical 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	and chemical properties	
Pł	hysical state	: Solid	
С	blor	: No data available	
0	dor	: No data available	
0	dor threshold	: No data available	
рŀ	1	: No data available	
M	elting point	: 167 - 169 °C	
Fr	eezing point	: No data available	
В	piling point	: No data available	
Fl	ash point	: No data available	
Re	elative evaporation rate (butyl acetate=1)	: No data available	
Fl	ammability (solid, gas)	: No data available	
Ex	cplosion limits	: No data available	
E	plosive properties	: No data available	
0	xidizing properties	: No data available	
Va	apor pressure	: No data available	
Re	elative density	: No data available	
Re	elative vapor density at 20 °C	: No data available	
M	olecular mass	: 232.66 g/mol	

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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

SECTION 10: Stability and reactivi	ty			
10.1. Reactivity				
No additional information available				
10.2. Chemical stability				
The product is stable at normal handling and storage conditions.				
10.3. Possibility of hazardous reactions	S			
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 produc	cts			
Under normal conditions of storage and use, h fire, see Section 5.	nazardous decomposition products should not be produced. Hazardous decomposition products in case of			
SECTION 11: Toxicological inform	ation			
11.1. Information on toxicological effect	cts			
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			

Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
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Specific target organ toxicity (repeated : Not classified exposure)

Aspiration hazard

Reproductive toxicity

: Not classified

SECT	ION 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	No additional information available				
12.4.	2.4. Mobility in soil				
No addi	tional information available				
12.5.	Other adverse effects				
No additional information available					
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SECTION 12 Disposal acresidere	tiono	
SECTION 13: Disposal considera		
Waste treatment methods Waste disposal recommendations Additional information	 Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber. Dispose of contents/container in accordance with licensed collector's sorting instructions. Recycle the material as far as possible. 	
SECTION 14: Transport information	ion	
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 informa	tion	
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-[1,1'-biphenyl]-2-carboxylic acid	CAS No 7079-15-4	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	: 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	
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.