

Safety Data Sheet 2621131 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 01/13/2016 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 4'-Formyl[1,1'-biphenyl]-2-carboxylic acid
CAS No	: 112804-58-7
Product code	: 2621-1-31
Formula	: C14H10O3
Other means of identification	: MFCD03426394
1.2. Relevant identified uses of the substa	ance or mixture and uses advised against
	: Laboratory chemicals Manufacture of substances Scientific research and development
1.3. Details of the supplier of the safety da	ata sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097 <u>info@synquestlabs.com</u> - <u>www.synquestlabs.com</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 mix	xture
Classification (GHS-US)	
Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eye irritatioSTOT SE 3H335 - May cause respiratory irritaFull 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 dust, mist, spray</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>P337+P313 - If eye irritation persists: 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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cording to Federal Register / Vol. 77, No. 58 / Monda 2.3. Other hazards			
No additional information available			
2.4. Unknown acute toxicity (GHS US)			
Not applicable			
SECTION 3: Composition/informati	on on ingredients		
3.1. Substance			
Substance type	: Mono-constituent		
Name	Product identifier	%	Classification (GHS-US)
4'-Formyl[1,1'-biphenyl]-2-carboxylic acid (Main constituent)	(CAS No) 112804-58-7	<= 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			
I.1. Description of first aid measures			
irst-aid measures general	: In case of accident or if you feel unwel where possible). Move the affected pe	rsonnel away from the	e contaminated area.
First-aid measures after inhalation	: Remove person to fresh air and keep or respiration. Get medical advice/attention		ling. If not breathing, give artificial
irst-aid measures after skin contact	: Wash with plenty of soap and water. G		
ïrst-aid measures after eye contact	: Immediately flush eyes thoroughly with present and easy to do. Continue rinsi	ng. Get medical advic	e/attention.
irst-aid measures after ingestion	: Do NOT induce vomiting. Never give a mouth out with water. Get medical adv		an unconscious person. Rinse
.2. Most important symptoms and effe	ects, both acute and delayed		
ymptoms/injuries	: The most important known symptoms a 2.2) and/or in section 11.	and effects are descri	bed in the labelling (see section
	al attention and special treatment needed	b	
Freat symptomatically.			
SECTION 5: Firefighting measures			
.1. Extinguishing media			
uitable extinguishing media	: Alcohol resistant foam. Carbon dioxide appropriate for surrounding fire.	e. Dry powder. Water	spray. Use extinguishing media
.2. Special hazards arising from the s			
ire hazard	: Thermal decomposition generates: Ca	rbon oxides.	
.3. Advice for firefighters			
irefighting instructions	: In case of fire: Evacuate area.		
Protection during firefighting	: Wear gas tight chemically protective cl apparatus. For further information refe		
SECTION 6: Accidental release mea	asures	-	-
	quipment and emergency procedures		
General measures	: Evacuate unnecessary personnel. Ens	sure adequate air vent	ilation. Do not breathe dust.
6.1.1. For non-emergency personnel Emergency procedures	: Only qualified personnel equipped with	n suitable protective e	quipment may intervene.
.1.2. For emergency responders			
Protective equipment	: Do not attempt to take action without s refer to section 8: "Exposure controls/p		ipment. For further information
5.2. Environmental precautions			
	ities if product enters sewers or public water	rs.	
void release to the environment. Notify author		rs.	
Avoid release to the environment. Notify author		rs.	

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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 section	15
No additional information available	
<b>SECTION 7: Handling and st</b>	orage
7.1. Precautions for safe hand	ling
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	je, 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	: 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	: 226.23 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 reactivit</b>	y .
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
The product is stable at normal handling and s	torage conditions.
10.3. Possibility of hazardous reactions	
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	ts
Under normal conditions of storage and use, he fire, see Section 5.	azardous decomposition products should not be produced. Hazardous decomposition products in case of
<b>SECTION 11: Toxicological informa</b>	ation
11.1. Information on toxicological effect	ts

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	SECTION 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 additional information available				
12.4.	Mobility in soil			
No addit	ional information available			
12.5.	Other adverse effects			
No additional information available				

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SECTION 13: Disposal consideration	lions
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'-Formyl[1,1'-biphenyl]-2-carboxylic acid	CAS No 112804-58-7	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

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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.