

# 3',4'-Dichloro-[1,1'-biphenyl]-4-carboxaldehyde

Safety Data Sheet 26155Y2 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 03/03/2016 Version: 1.0

. Identification Deduct form Destance name	
hetanca nama	: Substance
	: 3',4'-Dichloro-[1,1'-biphenyl]-4-carboxaldehyde
IS No	: 50670-78-5
oduct code	: 2615-5-Y2
rmula	: C13H8Cl2O
nonyms	: 4-(3,4-Dichlorophenyl)benzaldehyde; 3',4'-Dichloro-4-formylbiphenyl
ner means of identification	: MFCD03002047
. Relevant identified uses of the	e substance or mixture and uses advised against
e of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development
. Details of the supplier of the s	safety data sheet
nQuest Laboratories, Inc. D. Box 309 achua, FL 32615 - United States of Ame 386) 462-0788 - F (386) 462-7097 <u>b@synquestlabs.com</u> - <u>www.synquestla</u>	abs.com
Emergency telephone number	
nergency number	: (844) 523-4086 (3E Company - Account 10069)
assification (GHS-US) in Irrit. 2 H315 - Causes skin irritati e Irrit. 2A H319 - Causes serious ey OT SE 3 H335 - May cause respirat Il text of H-phrases: see section 16	e 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/information of	on ingre	edients		
3.1. Substance				
ubstance type : Mono-constituent				
Name		roduct identifier	%	Classification (GHS-US)
3',4'-Dichloro-[1,1'-biphenyl]-4-carboxaldehyde (Main constituent)	(C	:AS No) 50670-78-5	<= 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				
		of accident or if you feel unwell, seek n ossible). Move the affected personnel a		
				g. If not breathing, give artificial
First-aid measures after skin contact :	First-aid measures after skin contact : Wash with plenty of soap and water. Get medical advice/attention.			tion.
	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.			
First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.				
4.2. Most important symptoms and effects, both acute and delayed				
	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.			
4.3. Indication of any immediate medical att	ention a	nd special treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
		esistant foam. Carbon dioxide. Dry po ate for surrounding fire.	wder. Water sp	ray. Use extinguishing media
5.2. Special hazards arising from the substance or mixture				
Fire hazard :	Thermal	decomposition generates: Carbon oxi	des. Hydrogen o	chloride.
5.3. Advice for firefighters				
Firefighting instructions : In case of fire: Evacuate area.				
SECTION 6: Accidental release measur	es			<u></u>
6.1. Personal precautions, protective equip		d emergency procedures		
		e unnecessary personnel. Ensure ade	quate air ventila	tion. Do not breathe dust.
6.1.1. For non-emergency personnel	Oralistania			·
Emergency procedures :	Uniy qua	lified personnel equipped with suitable	e protective equ	ipment may intervene.
6.1.2. For emergency responders Protective equipment :	Do not at	ttempt to take action without suitable p	protective equip	ment. For further information
		ection 8: "Exposure controls/personal		
6.2. Environmental precautions				

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

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6.3. 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 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, including	ng any incompatibilities			
Technical measures	: Comply with applicable regulations.			
Storage conditions	: Keep container closed when not in use. Keep away from ignition sources. Air sensitive. Keep contents under inert gas.			
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

: 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.
: Protective gloves. 29 CFR 1910.138: Hand Protection.
: Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection.
: Wear suitable protective clothing.
: In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.
: 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

Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: 95 - 98 °C
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	: 251.11 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 reactivity					
10.1. Reactivity					
No additional information available					
0.2. Chemical stability					
The product is stable at normal handling and storage 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	10.5. Incompatible materials				
Strong bases. Strong oxidizing agents.					
10.6. Hazardous decomposition products	10.6. Hazardous decomposition products				
Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case o fire, see Section 5.					
<b>SECTION 11: Toxicological informat</b>	SECTION 11: Toxicological information				
11.1. Information on toxicological effects					
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 : Not classified

# exposure) As

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spiration hazard	: Not classified
SECTION 12: Ecological information	

SECT	ION 12: Ecological information	on	
12.1.	Toxicity		
	litional information available		
12.2.	Persistence and degradability		
No add	litional information available		
12.3.	Bioaccumulative potential		
No add	litional information available		
12.4.	Mobility in soil		
No add	litional information available		
12.5.	Other adverse effects		
No add	litional information available		
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SECTION 13: Disposal considerat	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	on		
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			
<b>SECTION 15: Regulatory informat</b>	lion		
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:			

- Substances Control Act (100A) inventory exception.			
3',4'-Dichloro-[1,1'-biphenyl]-4-carboxaldehyde	CAS No 50670-78-5	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	: 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.