

Safety Data Sheet 2621517 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',4'-Dichloro-[1,1'-biphenyl]-4-carboxylic acid CAS No : 7111-64-0 Product code : 2621-5-17 Formula : C13H8Cl2O2 Synonyms : 4-(3,4-Dichlorophenyl)benzoic acid Other means of identification : MFCD01862493 1.2. Relevant identified uses of the substance 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 safety 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@synquestlabs.com - www.synquestlabs.com	
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A A Encomposite for the second s	
I.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 mixture	
STOT SE 3 H335 - May cause respiratory irritation Full 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) : P261 - Avoid breathing dust, mist, spray P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+P352 - If on skin: Wash with plenty of soap and water P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for bree P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. R Ienses, if present and easy to do. Continue rinsing P312 - Call a POISON CENTER or doctor/physician if you feel unwell P32+P313 - If skin irritation occurs: Get medical advice/attention P332+P313 - If skin irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P403+P233 - Store in a well-ventilated place. Keep container tightly closed P405 - Store locked up P501 - Dispose of contents/container to an approved waste disposal plant	

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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 o	n ingredients		
3.1. Substance			
Substance type : I	Mono-constituent		
Name	Product identifier	%	Classification (GHS-US)
3',4'-Dichloro-[1,1'-biphenyl]-4-carboxylic acid (Main constituent)	(CAS No) 7111-64-0	<= 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			
	n case of accident or if you feel unwell, seek where possible). Move the affected personnel		
	Remove person to fresh air and keep comforta espiration. Get medical advice/attention.	able for breathing	g. If not breathing, give artificial
	Nash with plenty of soap and water. Get med		
Ĩ	mmediately flush eyes thoroughly with water present and easy to do. Continue rinsing. Get	medical advice/a	attention.
0	Do NOT induce vomiting. Never give anything nouth out with water. Get medical advice/atte	,	unconscious person. Rinse
4.2. Most important symptoms and effects, b	ooth acute and delayed		
	The most important known symptoms and effe 2.2) and/or in section 11.	ects are describe	ed in the labelling (see section
4.3. Indication of any immediate medical atte	ention and special treatment needed		
Treat symptomatically.			
SECTION 5: Firefighting measures			
5.1. Extinguishing media			
Suitable extinguishing media : /	Alcohol resistant foam. Carbon dioxide. Dry po appropriate for surrounding fire.	owder. Water sp	ray. Use extinguishing media
5.2. Special hazards arising from the substa	nce or mixture		
Fire hazard :	Thermal decomposition generates: Carbon ox	ides. Hydrogen o	chloride.
5.3. Advice for firefighters			
Firefighting instructions : I	n case of fire: Evacuate area.		
	Near gas tight chemically protective clothing i apparatus. For further information refer to sec		
SECTION 6: Accidental release measure	28		
6.1. Personal precautions, protective equipm			
	Evacuate unnecessary personnel. Ensure ade	equate air ventila	tion. Do not breathe dust.
6.1.1. For non-emergency personnel			
Emergency procedures : (Only qualified personnel equipped with suitable	e protective equ	ipment may intervene.
6.1.2. For emergency responders			
	Do not attempt to take action without suitable efer to section 8: "Exposure controls/persona		ment. For further information
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 co	ntainment 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 sto	age
7.1. Precautions for safe handlin	g
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 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 an	d chemical properties					
Physic	al state	: Solid					
Color		: No data available					
Odor		: No data available					
Odor th	nreshold	: No data available					
pН		: No data available					
Melting	g point	: No data available					
Freezir	ng point	: No data available					
Boiling	point	: No data available					
Flash p	point	: No data available					
Relativ	e evaporation rate (butyl acetate=1)	: No data available					
Flamm	ability (solid, gas)	: No data available					
Explos	ion limits	: No data available					
Explos	ive properties	: No data available					
Oxidizi	ng properties	: No data available					
Vapor	pressure	: No data available					
Relativ	e density	: No data available					
Relativ	e vapor density at 20 °C	: No data available					
Molecu	ılar mass	: 267.11 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					
10.2. Chemical stability					
The product is stable at normal handling and sto	orage 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 products	10.6. Hazardous decomposition products				
Under normal conditions of storage and use, has fire, see Section 5.	zardous decomposition products should not be produced. Hazardous decomposition products in case of				
SECTION 11: Toxicological informat	lion				
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)

Aspiration hazard

: Not classified

SECT	ION 12: Ecological information	n		
12.1.	Toxicity			
No add	tional information available			
12.2.	Persistence and degradability			
No add	tional information available			
12.3.	Bioaccumulative potential			
No add	tional information available			
12.4.	Mobility in soil			
No add	tional information available			
12.5.	Other adverse effects			
No add	tional information available			
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SECTION 13: Disposal consideration	ations				
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	tion				
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	ation				
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 (13CA) Inventory exception.		
3',4'-Dichloro-[1,1'-biphenyl]-4-carboxylic acid	CAS No 7111-64-0	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

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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.