

1,4-Bis(3,4-dicarboxyphenoxy)benzene dianhydride Safety Data Sheet 2H26107 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: 1,4-Bis(3,4-dicarboxyphenoxy)be	nzene dianhydride	
CAS No	: 17828-53-4		
Product code	: 2H26-1-07		
Formula	: C22H10O8		
Synonyms	: 5-{4-[(1,3-Dioxo-1,3-dihydro-2-be dione; HQDEA; Hydroquinone di	nzofuran-5-yl)oxy]phenoxy}-1,3-dihydro-2-benzofur hthalic anhydride	an-1,3-
Other means of identification	: MFCD00346722		
1.2. Relevant identified uses of the sub	ostance or mixture and uses advised	against	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and developm	ent	
1.3. Details of the supplier of the safety	y 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.c	om		
1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Company - A	ccount 10069)	
SECTION 2: Hazard(s) identification	1		
2.1. Classification of the substance or			
Classification (GHS-US)			
Skin Irrit. 2H315 - Causes skin irritationEye Dam. 1H318 - Causes serious eye darSTOT SE 3H335 - May cause respiratory iFull text of H-phrases: see section 16	0		
2.2. Label elements			
GHS-US labeling Hazard pictograms (GHS-US)			
Signal word (CHS US)	GHS05 GHS07		
Signal word (GHS-US) Hazard statements (GHS-US)	: Danger : H315 - Causes skin irritation		
nazaru statements (Gno-03)	H318 - Causes skin intation H318 - Causes serious eye dama H335 - May cause respiratory irri	0	
Precautionary statements (GHS-US)	P302+P352 - If on skin: Wash wi P304+P340 - If inhaled: Remove P305+P351+P338 - If in eyes: Ri lenses, if present and easy to do P310 - Immediately call a POISC P321 - Specific treatment (see su P332+P313 - If skin irritation occ P362+P364 - Take off contamina	r handling well-ventilated area otective clothing/eye protection/face protection h plenty of soap and water person to fresh air and keep comfortable for breath rse cautiously with water for several minutes. Remo Continue rinsing N CENTER or doctor/ physician pplemental first aid instructions on this label)	0
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P405 - Store locked up P501 - Dispose of contents/container to an approved waste disposal plant

2.3. Other hazards No additional information available				
2.4. Unknown acute toxicity (GHS US)			
Not applicable	,			
SECTION 3: Composition/informa	tion on in	aredients		
3.1. Substance				
Substance type	: Mono	-constituent		
Name		Product identifier	%	Classification (GHS-US)
1,4-Bis(3,4-dicarboxyphenoxy)benzene dianhydrio (Main constituent)	le	(CAS No) 17828-53-4	<= 100	Skin Irrit. 2, H315 Eye Dam. 1, H318 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, see possible). Move the affected person		
First-aid measures after inhalation	respir	ove person to fresh air and keep comf ation. Get immediate medical advice/	/attention.	
First-aid measures after skin contact	media	with plenty of soap and water. Remo cal advice/attention.		U U
First-aid measures after eye contact	prese	diately flush eyes thoroughly with wat nt and easy to do. Continue rinsing. C	Get immediate med	lical 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 immediate medical advice/attention.		
4.2. Most important symptoms and e	ffects, both	acute and delayed		
Symptoms/injuries	: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.			
Symptoms/injuries after inhalation		: Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea.		
4.3. Indication of any immediate med	ical attentio	n and special treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measures	5			
5.1. Extinguishing media				
Suitable extinguishing media		ol resistant foam. Carbon dioxide. Dry priate for surrounding fire.	y powder. Water sp	oray. Use extinguishing media
5.2. Special hazards arising from the	substance of	or mixture		
Fire hazard	: Therr	nal decomposition generates: Carbon	n oxides.	
5.3. Advice for firefighters				
Firefighting instructions	: In cas	se of fire: Evacuate area.		
Protection during firefighting	: Wear	gas tight chemically protective clothir atus. For further information refer to s		
SECTION 6: Accidental release mo	easures			
6.1. Personal precautions, protective		and emergency procedures		
General measures		uate unnecessary personnel. Ensure	adequate air ventil	ation. Do not breathe dust.
6.1.1. For non-emergency personnel Emergency procedures	: Only	qualified personnel equipped with suit	table protective eq	uipment may intervene.
6.1.2. For emergency responders				
6.1.2. For emergency responders Protective equipment		ot attempt to take action without suitat to section 8: "Exposure controls/perso		oment. For further information

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6.2. Environmental precautions	
Avoid release to the environment. Notify author	ities if product enters sewers or public waters.
6.3. Methods and material for containm	nent 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, includ	ling any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use. Moisture 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/pers	sonal 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	
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: 260 - 264 °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
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	: No data available
Aolecular mass	: 402.31 g/mol
Solubility	: No data available
log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
/iscosity	: No data available
/iscosity, kinematic	: No data available
/iscosity, dynamic	: No data available
0.2. Other information	
No additional information available	
SECTION 10: Stability and reactivity	
I0.1. Reactivity	
No additional information available	
I0.2. Chemical stability	
The product is stable at normal handling and sto	rage conditions.
10.3. Possibility of hazardous reactions	
No additional information available	
10.4. Conditions to avoid	
Keep away from heat, sparks and flame. Moistur	·e.
10.5. Incompatible materials	
Alcohols. Oxidizing agents. Strong bases. Water	:
10.6. Hazardous decomposition products	
	zardous decomposition products should not be produced. Hazardous decomposition products in case
SECTION 11: Toxicological informat	ion
11.1. Information on toxicological effects	
Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eve damage.
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.
	: Not classified
Specific target organ toxicity (repeated exposure)	
	: Not classified

No additional information available

Persistence and degradability 12.2.

No additional information available

12.3. Bioaccumulative potential

No additional information available

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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

3.1. Waste treatment methods			
Naste treatment methods	: Remove to an a	authorized incinerator equipped with	n an afterburner and a flue gas scrubber.
Naste disposal recommendations	: Dispose of cont	tents/container in accordance with li	icensed collector's sorting instructions.
Additional information	: Recycle the ma	terial as far as possible.	
SECTION 14: Transport informa	tion		
Department of Transportation (DOT)			
n 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 inform	ation		
I5.1. US Federal regulations			
All components of this product are listed, Substances Control Act (TSCA) inventory		on the United States Environmental	Protection Agency Toxic
1,4-Bis(3,4-dicarboxyphenoxy)benzene d		CAS No 17828-53-4	100%
This product or mixture does not contain CFR §372.38(a) subject to the reporting r and 40 CFR Part 372.			minimis concentration as specified in 40 ndments and Reauthorization Act of 1986
15.2. International regulations			
CANADA			
No additional information available			
EU-Regulations			
No additional information available			
		_()	
1,4-Bis(3,4-dicarboxyphenoxy)benzen		-4)	
1,4-Bis(3,4-dicarboxyphenoxy)benzend Listed on the TCSI (Taiwan Chemical Sul			
1,4-Bis(3,4-dicarboxyphenoxy)benzend Listed on the TCSI (Taiwan Chemical Sul	ostance Inventory)		ornia to cause cancer
Listed on the TCSI (Taiwan Chemical Sul 15.3. US State regulations California Proposition 65 - This product	ostance Inventory)		ornia to cause cancer

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Full text	of H-phrases:	
	Eye Dam. 1	Serious eye damage/eye irritation Category 1
	Skin Irrit. 2	Skin corrosion/irritation Category 2
	STOT SE 3	Specific target organ toxicity (single exposure) Category 3
	H315	Causes skin irritation
	H318	Causes serious eye damage
	H335	May cause respiratory irritation
NFPA f	ealth hazard ire hazard eactivity	 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given. 0 - Materials that will not burn. 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS II	I Rating	
Health		: 2 Moderate Hazard - Temporary or minor injury may occur
Flamma	: 0 Minimal Hazard - Materials that will not burn	
Physica	1	: 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.