

Safety Data Sheet 2418505 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 10/17/2018 Version: 1.0

Da				
SECTION 1: Identification				
1.1. Identification				
Product form	: Substance			
Substance name	: 2,6-Dichloro-1,4-benzoquing	2,6-Dichloro-1,4-benzoquinone		
CAS No	: 697-91-6	697-91-6		
Product code	: 2418-5-05	2418-5-05		
Formula	: C6H2Cl2O2			
Synonyms	: 2,6-Dichlorocyclohexa-2,5-d	ene-1,4-dione		
Other means of identification	: MFCD00037159	•		
	e substance or mixture and uses adv	icad against		
Use of the substance/mixture	: Laboratory chemicals			
	Manufacture of substances Scientific research and deve	lopment		
1.3. Details of the supplier of the s	afety data sheet			
SynQuest Laboratories, Inc.				
P.O. Box 309				
Alachua, FL 32615 - United States of Ame T (386) 462-0788 - F (386) 462-7097 info@synguestlabs.com - www.synguestla				
1.4. Emergency telephone number				
Emergency number	: (844) 523-4086 (3E Compar	y - Account 10069)		
SECTION 2: Hazard(s) identifica	tion			
2.1. Classification of the substance				
	e or mixture			
Classification (GHS-US)				
Acute Tox. 4 (Oral) H302 - Harmful if sv				
Skin Irrit. 2 H315 - Causes skin				
Eye Irrit. 2A H319 - Causes seri STOT SE 3 H335 - May cause r				
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Full text of H-phrases: see section 16				
2.2. Label elements				
GHS-US labeling				
Hazard pictograms (GHS-US)	1 🔨			
	GHS07			
Signal word (GHS-US)	: Warning			
o ()	: H302 - Harmful if swallowed			
Hazard statements (GHS-US)	H315 - Causes skin irritation			
	H319 - Causes serious eye	rritation		
	H335 - May cause respirato			
Precautionary statements (GHS-US)	: P261 - Avoid breathing fume			
	P264 - Wash skin thorough			
	P270 - Do not eat, drink or s P271 - Use only outdoors or	moke when using this product		
		es/protective clothing/eye protection/face protec	tion	
		Call a POISON CENTER or doctor/ physician if		
	P302+P352 - If on skin: Was	h with plenty of soap and water		
		nove person to fresh air and keep comfortable for		
		s: Rinse cautiously with water for several minute	es. Remove contact	
	lenses, if present and easy t P312 - Call a POISON CEN	o do. Continue rinsing FER or doctor/physician if you feel unwell		
		ee supplemental first aid instructions on this lab	el)	
	P330 - Rinse mouth			
	P332+P313 - If skin irritatior	occurs: Get medical advice/attention		
10/18/2018	EN (English US)	SDS ID: 2418505	Page 1	

Safety Data Sheet

2.3.

2.4.

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32

4.1.

4.3.

5.1.

52

53

6.1

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

P337+P313 - If eye 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 Other hazards No additional information available Unknown acute toxicity (GHS US) Not applicable SECTION 3: Composition/information on ingredients Substance Substance type : Mono-constituent Name Product identifier % **Classification (GHS-US)** Acute Tox. 4 (Oral), H302 2,6-Dichloro-1,4-benzoquinone (CAS No) 697-91-6 <= 100 (Main constituent) Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 Full text of H-phrases: see section 16 **Mixture** Not applicable SECTION 4: First aid measures **Description of first aid measures** : In case of accident or if you feel unwell, seek medical advice immediately (show the label First-aid measures general where possible). Move the affected personnel away from the contaminated area. Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial First-aid measures after inhalation respiration. Get immediate medical advice/attention. First-aid measures after skin contact : Wash with plenty of soap and water. Get immediate medical advice/attention. Immediately flush eves thoroughly with water for at least 15 minutes. Remove contact lenses, if First-aid measures after eye contact present and easy to do. Continue rinsing. Get immediate 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 immediate medical advice/attention. 4.2. Most important symptoms and effects, 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. Indication of any immediate medical attention and special treatment needed Treat symptomatically. SECTION 5: Firefighting measures **Extinguishing media** Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. Special hazards arising from the substance or mixture Fire hazard : Thermal decomposition generates: Carbon oxides. Hydrogen chloride. Advice for firefighters **Firefighting instructions** : In case of fire: Evacuate area. Wear gas tight chemically protective clothing in combination with self contained breathing Protection during firefighting apparatus. For further information refer to section 8: "Exposure controls/personal protection". SECTION 6: Accidental release measures Personal precautions, protective equipment and emergency procedures General measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust.

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

6.1.2. For emergency respon	nders
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precau	tions
Avoid release to the environment.	Notify authorities if product enters sewers or public waters.
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 see	ctions
No additional information available	9
SECTION 7. Heredling on	
SECTION 7: Handling and	
7.1. Precautions for safe h	andling
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 st	orage, including 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.
Storago area	· Store in dry cool well-ventilated area

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 pН : No data available : 118 - 121 °C (dec.) Melting point Freezing point : No data available : No data available Boiling point 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

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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	: 176.985 g/mol
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 add	itional information available			
10.2.	Chemical stability			
The pro	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			
Strong oxidizing agents.				
10.6.	Hazardous decomposition products			

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.

SECTION 11: Toxicological information

Information on toxicological effects 11.1.

Acute toxicity

: Oral: Harmful if swallowed.

2,6-Dichloro-1,4-benzoquinone (697-91-6)	
ATE US (oral)	500.000 mg/kg body weight
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

SECTION	DN 12: Ecological information				
12.1.	Toxicity				
No additi	No additional information available				
12.2.	Persistence and degradability				
No additional information available					

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

12.3.	Bioaccumulative potential				
No addit	ional information available				
12.4.	Mobility in soil				
No addit	No additional information available				
12.5.	Other adverse effects				
No oddi	ional information available				

SECTION 13: Disposal considerations

Waste treatment methods 13.1.

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

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

2,6-Dichloro-1,4-benzoquinone (697-91-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

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

2,6-Dichloro-1,4-benzoquinone (697-91-6)

Listed on the Canadian NDSL (Non-Domestic Substances List)

EU-Regulations

No additional information available

National regulations

2,6-Dichloro-1,4-benzoquinone (697-91-6)	2,6
Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on the TCSI (Taiwan Chemical Substance Inventory)	
	LISU

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

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Full tex	t of H-phrases:			
	Acute Tox. 4 (Oral)		Acute toxicity (oral) Category 4	
	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	
	H302		Harmful if swallowed	
	H315		Causes skin irritation	
	H319		Causes serious eye irritation	
	H335		May cause respiratory irritation	
NFPA health hazard NFPA fire hazard NFPA reactivity		incapacitation or possible medical attention is given : 0 - Materials that will not b	ourn. under fire exposure conditions,	
	II Rating			
Health : 2 Moderate Hazard - Te		: 2 Moderate Hazard - Ter	emporary or minor injury may occur	
Flammability : 0 Minimal Hazard - Mate		: 0 Minimal Hazard - Mate	terials that will not burn	
			erials that are normally stable, even under fire conditions, and will NOT rize, 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.