

2,4-Dichlorobenzoic acid

Safety Data Sheet 26215Y5 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	: 2,4-Dichlorobenzoic acid		
CAS No	: 50-84-0		
Product code	: 2621-5-Y5		
Formula	: C7H4Cl2O2		
Other means of identification	: MFCD00002414		
1.2. Relevant identified uses of the su	ubstance or mixture and uses	advised against	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substanc Scientific research and d		
1.3. Details of the supplier of the safe	ety 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.			
1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Com	bany - Account 10069)	
SECTION 2: Hazard(s) identification	on		
2.1. Classification of the substance of	r mixture		
Classification (GHS-US)			
Acute Tox. 4 (Oral) H302 - Harmful if swall Skin Irrit. 2 H315 - Causes skin irr Eye Irrit. 2A H319 - Causes serious STOT SE 3 H335 - May cause resp Full text of H-phrases: see section 16 2.2.	itation s eye irritation		
GHS-US labeling			
Hazard pictograms (GHS-US)	GHS07		
Signal word (GHS-US)	: Warning		
Hazard statements (GHS-US)	: H302 - Harmful if swallov H315 - Causes skin irrita H319 - Causes serious e H335 - May cause respira	ion /e irritation	
Precautionary statements (GHS-US)	P271 - Use only outdoors P280 - Wear protective g P301+P312 - If swallowe P302+P352 - If on skin: V P304+P340 - If inhaled: F P305+P351+P338 - If in lenses, if present and eas P312 - Call a POISON C P321 - Specific treatmen P330 - Rinse mouth P332+P313 - If skin irrita	why after handling or smoke when using this product or in a well-ventilated area oves/protective clothing/eye protection/face protect d: Call a POISON CENTER or doctor/ physician if y vash with plenty of soap and water temove person to fresh air and keep comfortable for eyes: Rinse cautiously with water for several minute	rou feel unwell or breathing es. Remove contact
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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

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Substance type : Mono-constituent

Substance type	: Mono	o-constituent		
Name		Product identifier	%	Classification (GHS-US)
2,4-Dichlorobenzoic acid (Main constituent)		(CAS No) 50-84-0	<= 100	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-phrases: see section 16				
B.2. Mixture				
Not applicable				
SECTION 4: First aid measures				
I.1. Description of first aid measures				
First-aid measures general		se of accident or if you feel unwe e possible). Move the affected pe		
First-aid measures after inhalation		ove person to fresh air and keep ration. Get medical advice/attent		hing. If not breathing, give artificial
First-aid measures after skin contact	: Wash	n with plenty of soap and water.	Get medical advice/at	tention.
First-aid measures after eye contact		ediately flush eyes thoroughly wit ent and easy to do. Continue rins		i minutes. Remove contact lenses, if ce/attention.
First-aid measures after ingestion		OT induce vomiting. Never give a h out with water. Get medical ad		an unconscious person. Rinse
I.2. Most important symptoms and ef	fects, both	acute and delayed		
Symptoms/injuries		nost important known symptoms and/or in section 11.	and effects are desci	ibed in the labelling (see section
I.3. Indication of any immediate med	ical attentio	n and special treatment neede	d	
Freat symptomatically.				
SECTION 5: Firefighting measures	\$			
5.1. Extinguishing media				
Suitable extinguishing media		nol resistant foam. Carbon dioxid	e. Dry powder. Water	spray. Use extinguishing media
5.2. Special hazards arising from the	substance	or mixture		
ire hazard	: Therr	nal decomposition generates: Ca	arbon oxides. Hydroge	en chloride.
5.3. Advice for firefighters				
Firefighting instructions	: In cas	se of fire: Evacuate area.		
Protection during firefighting		gas tight chemically protective cratus. For further information refe		n with self contained breathing sure controls/personal protection".
SECTION 6: Accidental release me	easures			
5.1. Personal precautions, protective				
General measures	: Evac	uate unnecessary personnel. En	sure adequate air ven	tilation. Do not breathe dust.
5.1.1. For non-emergency personnel				
Emergency procedures	: Only	qualified personnel equipped wit	h suitable protective e	equipment may intervene.

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: Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

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6.2. Environmental precautions				
Avoid release to the environment. Notify authori	ties if product enters sewers or public waters.			
6.3. Methods and material for containm	ent 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, include	ng 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 a	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	: 157 - 159 °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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Relative vapor density at 20 °C	: No data available
Molecular mass	: 191.01 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

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No additional information available

SECT	ION 10: Stability and reactivity
10.1.	Reactivity
No add	itional information available
10.2.	Chemical stability
The pro	duct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No add	itional information available
10.4.	Conditions to avoid
Keep a	way from heat, sparks and flame.
10.5.	Incompatible materials
Strong	bases. 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			
11.1. Information on toxicological effects			
Acute toxicity	: Oral: Harmful if swallowed.		
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		

SECT	ION 12: Ecological information				
12.1.	Toxicity				
No addi	No additional information available				
12.2.	Persistence and degradability				
No addi	tional information available				
12.3.	Bioaccumulative potential				
No addi	tional information available				
12.4.	Mobility in soil				
No addi	tional information available				

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12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations				
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 informat	ion			

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

S	ECTION	15: Red	ulator	y information

15.1. US Federal regulations

2,4-Dichlorobenzoic acid (50-84-0)

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

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

EU-Regulations

No additional information available

National regulations

2,4-Dichlorobenzoic acid (50-84-0)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

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

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Full text 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		 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 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.