

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS name 3,5-Dichloro-2-hydroxybenzenesulfonic acid, disodium salt
Catalog no. D-155
Chemical name 3,5-Dichloro-2-hydroxybenzenesulfonic acid, disodium salt
Synonym HDCBS • diNa
Application of the product Pharmaceutical Intermediate

Company Identification

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Section 2 - Composition, Information on Ingredients

CAS No.	Chemical name	Percent	EINECS	Classification
[95041-38-6]	3,5-Dichloro-2-hydroxybenzenesulfonic acid, disodium salt	100	NOT AVAILABLE	Xi; R:36/37/38

Section 3 - Hazards Identification

Emergency Overview

Caution! To the best of our knowledge the toxicological properties of this material have not been thoroughly investigated. May be harmful if swallowed, inhaled or absorbed through skin.

Target Organs None known.
Potential Health Effects
Eye Causes eye irritation.
Skin Causes skin irritation.
Ingestion Causes digestive tract irritation.
Inhalation Causes respiratory tract irritation.
Chronic Not available.

Section 4 - First Aid Measures

<i>Eye</i>	In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.
<i>Skin</i>	In case of contact, immediately flush skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. Wash contaminated clothes before reuse.
<i>Ingestion</i>	If swallowed, wash out mouth with water provided person is conscious. Call a physician.
<i>Inhalation</i>	If inhaled, remove to fresh air, immediately. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Notes to Physician	Treat symptomatically and supportively.

Section 5 - Firefighting Measures

<i>General Information</i>	As in any fire, wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
<i>Extinguishing Media</i>	In case of fire use water spray, carbon dioxide, dry chemical powder or appropriate foam.
<i>Autoignition Temperature</i>	Not available.
<i>Flash Point</i>	Not available.
<i>NFPA Rating</i>	Not published. Explosion Limits, Lower: Not available. Upper: Not available.

Section 6 - Accidental Release Measures

<i>General Information</i>	Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.
<i>Spills/Leaks</i>	Sweep up, place in a bag and hold for waste disposal; avoid raising dust; ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

<i>Handling</i>	Avoid ingestion and inhalation. Do not breathe dust. Avoid contact with skin, eyes and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.
<i>Storage</i>	Keep container tightly closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

<i>Engineering Controls</i>	Mechanical exhaust required. Safety shower and eye bath.
<i>Exposure Limit</i>	Not available.
<i>Personal Protective Equipment</i>	
<i>Eyes</i>	Wear chemical safety goggles or face shield.
<i>Skin</i>	Wear compatible chemical-resistant gloves and clothing to prevent skin exposure. X
<i>Hand</i>	Wear compatible chemical-resistant gloves to prevent skin exposure. X

<i>Clothing</i>	Wear appropriate protective clothing to prevent exposure.
<i>Respirator</i>	Wear NIOSH/MSHA or European Standard EN 149 approved respirator.

Section 9 - Physical and Chemical Properties

<i>Appearance</i>	white to off-white crystalline powder	X
<i>Odor</i>	No characteristic odor.	X
<i>pH</i>	10.0 (5% in water)	X
<i>Boiling Point</i>	0.000	X
<i>Melting Point</i>	0.000	
<i>Flash Point</i>	Not available.	
<i>Autoignition Temperature</i>	Not available.	
<i>Vapor Pressure</i>	Does not apply.	X
<i>Vapor Density</i>	Does not apply.	X
<i>Specific Gravity/Density</i>	Does not apply.	X
<i>Coeffizient octanol/water</i>	Not available.	
<i>Solubility in water</i>	Freely soluble in water.	
<i>Solubility other</i>	Not available.	
<i>Other physical data</i>	Not available.	
<i>Molecular Formula</i>	C ₆ H ₂ Cl ₂ O ₄ SNa ₂	
<i>Molecular Weight</i>	287.030 g/mol	

Section 10 - Stability and Reactivity

<i>Stability</i>	Stable under normal temperatures and pressures.
<i>Conditions to Avoid</i>	Incompatible materials.
<i>Incompatibilities</i>	Strong oxidizing agents.
<i>Hazardous Decomposition Products</i>	Toxic fumes of: carbon monoxide, carbon dioxide, sulfur oxides, hydrogen chloride gas.
<i>Hazardous Polymerization</i>	Will not occur.

Section 11 - Toxicological Information

<i>RTECS</i>	NOT AVAILABLE
<i>CAS No.</i>	[95041-38-6]
<i>LD50/LC50</i>	Not available.
<i>Carcinogenity</i>	Not available.
<i>Epidemiology</i>	Not available.
<i>Teratogen</i>	Not available.
<i>Reproductive Effects</i>	Not available.
<i>Neurotoxicity</i>	Not available.
<i>Mutagen</i>	Not available.
<i>Other Studies</i>	Not available.

Section 12 - Ecological Information

<i>Ecotoxicity</i>	Not available.
<i>Environmental Fate</i>	Not available.
<i>Physical/Chemical</i>	Not available.
<i>Other</i>	Not available.

Section 13 - Disposal Considerations

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber; observe all federal, state and local environmental regulations.

Section 14 - Transport Information

IATA

<i>UN Number</i>	Not regulated as a hazardous material (IATA/ADR)	X
<i>Proper Shipping Name</i>	not available	X
<i>Class</i>	not available	
<i>Packing Group</i>	not available	

RID/ADR

<i>UN Number</i>	Not regulated as a hazardous material (IATA/ADR)	X
<i>Proper Shipping Name</i>	not available	X
<i>Class</i>	not available	
<i>Packing Group</i>	not available	

Section 15 - Regulatory Information

European / International Regulations

<i>Hazard Symbols</i>	Xi	X
<i>R-Phrase No.</i>	<i>Risk Phrases</i>	
R36/37/38	Irritating to eyes, respiratory system and skin.	X

<i>S-Phrase No.</i>	<i>Safety Phrases</i>	
S36,S26	Wear suitable protective clothing. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.	X

International Regulations

On TSCA January 2004 Inventory Tape. On NDSL, Canada Gazette, Part I, January 31, 1998. X

Various

Exposure Limit Not available.

Section 16 - Additional Information

Xi	Irritant
R36/37/38	Irritating to eyes, respiratory system and skin.

The information above is believed to be correct and represents the best information currently available to us but does not purport to be all inclusive and shall be used only as a guide. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way GOLD BIOTECHNOLOGY, INC. be liable for any claims, losses, or damages of any thirarty or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if GOLD BIOTECHNOLOGY, INC has been advised of the possibility of such damages.

changes are marked with X

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