



WEST BENGAL CHEMICAL INDUSTRIES LIMITED
145/1, Jessore Road, Lake Town,
Kolkata – 700 089, India.
Phone: +9133 4025 1700 Fax: +9133 2574 7410
Email: wbcil@wbcil.com Website: www.wbcil.com

Section 1 - Chemical Product and Company Identification

MSDS Name: Copper Bisglycinate

Product Code : COGNL24

Company Identification:

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145/1, Jessore Road, Lake Town,

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Emergency Telephone No.: +91 9874356081

Section 2 - Hazards Identification

Statements of Hazard:

Irritant

Acute Health Hazard:

Irritant to eyes, skin, mucous membranes and respiratory system. May be harmful by ingestion, inhalation or skin absorption.

Chronic Health Hazard:

Not Available

HMIS Rating:

H:1 F:0 P:0

NFPA Rating:

H:1 F:0 R:0

To the best of our knowledge, the toxicological properties of this chemical have not been thoroughly investigated. Use appropriate procedures and precautions to prevent or minimize exposure.



Pictogram:

Signal Word:

Warning

Hazard Statement(s):

H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H320 Causes eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.

Precautionary Statement(s):

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P340 IF INHALED: Remove victim to fresh air and





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keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/ attention.

Section 3 - Composition / Information on Ingredients

Chemical Name	:	Copper Bisglycinate
Synonyms	:	bis(glycinato)copper(II)
CAS Number	:	13479-54-4 (anhydrous) 14932-14-0 (cis, monohydrate)
Molecular Formula	:	$C_4H_8CuN_2O_4$
Molecular Weight	:	211.66 gm/mol
Content	:	26.0%- 30.0% w/w (as Copper)

Section 4 - First Aid Measures

Eye Contact:	Flush eyes with large amounts of water for fifteen minutes. Separate eyelids with fingers. If irritation persists, seek medical attention.
Skin Contact:	Wash skin with soap and water. If irritation persists, seek medical attention.
Ingestion:	Do not induce vomiting. Seek medical attention.
Inhalation:	Move to a fresh air environment. Contact a physician if breathing becomes difficult.

Section 5 - Fire-Fighting Measures

Flash Point:	Not Available
Explosion Limits:	Lower: Not Available Upper: Not Available
Auto Ignition Temperature:	Not Available
Extinguishing Media:	Carbon dioxide, dry chemical powder, alcohol-resistant foam or water spray.
Protective Equipment:	Wear self-contained respirator and fully protective impervious suit.
Specific Hazards:	May emit hazardous fumes under fire conditions.





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Section 6 - Accidental Release Measures

Personal Protection:	Wear a self-contained breathing apparatus, rubber boots and gloves, and disposable coveralls. Dispose of coveralls after use.
Environmental Protection:	Keep unprotected persons away. Keep spills out of sewers and bodies of water. Dike and contain the spill with inert material. Absorb on sand, vermiculite or diatomite. Transfer material to a container for disposal or recovery. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

Handling:	Avoid breathing dust, vapor, mist or gas. Avoid contact with skin and eyes. Avoid prolonged or repeated exposure. Use only in a chemical fume hood. Open and handle container with care. Keep ignition sources away.
Storage:	Store in a tightly closed container in a dry, well-ventilated place.
Sensitivities:	Not Available
Storage Temperature:	15 – 30°C

Section 8 - Exposure Controls / Personal Protection

Eyes:	Wear appropriate protective eyeglass or chemical safety goggles. Make sure that there is an eyewash facility in your vicinity.			
Skin:	Wear impervious gloves and protective clothing.			
Respiratory:	Use a NIOSH approved respirator when exposure limits are exceeded or if irritation or other symptoms are experienced.			
Exposure Limits:	Country	Source	Type	Value
	USA	ACGIH	TWA	Not Available
	USA	OSHA	STEL	Not Available
	USA	OSHA	PEL	Not Available





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Section 9 - Physical and Chemical Properties

Appearance Form		
Form	:	Powder
Color	:	Blue to light blue
Odour	:	no data available
pH (of 1.0% aqueous solution)	:	no data available
Melting point/freezing point	:	no data available
Initial boiling point and boiling range	:	no data available
Sublimation Temperature:	:	no data available
Density:	:	no data available
Vapour pressure	:	no data available
Vapour density	:	no data available
Refractive Index	:	no data available
Water solubility	:	no data available
Decomposition temperature	:	no data available
Viscosity	:	no data available
Other safety information		
no data available		

Section 10 - Stability and Reactivity

Stability:	Stable under normal temperatures and pressures.
Incompatibility:	Strong oxidizing agents.
Conditions to Avoid:	Heat, Flame, Sparks, Other ignition sources.
Hazardous Decomposition Products:	Carbon oxides, Copper oxides.

Section 11 - Toxicological Information

RTECS Reference	:	no data available
Target Organs:	:	no data available
Toxicity Data:	:	no data available
Skin corrosion/irritation:	:	no data available
Serious eye damage/irritation:	:	no data available
Carcinogenicity:	:	no data available

Section 12 - Ecological Information

Toxicity:	:	No data available
Persistence and degradability:	:	No data available
Bioaccumulative potential:	:	No data available
Mobility in soil	:	No data available
PBT and vPvB assessment:		No data available
Other adverse effects:		No data available





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Section 13 - Disposal Considerations

Disposal methods:

Refer to local government authority for disposal recommendations. Dispose of contents/container in accordance with Local/regional/national/international regulations.

Section 14 - Transport Information

DOT : No data available
IATA : No data available
IMDG : No data available

Section 15 - Regulatory Information

United States:

Toxic Substance Control Act (TSCA): Not listed

Superfund Amendments and Reauthorization Act (SARA 302): Not listed Superfund

Amendments and Reauthorization Act (SARA 311/312): Not listed Superfund

Amendments and Reauthorization Act (SARA 313): Not listed

European Union:

European Inventory of Existing Chemical Substances (EINECS): Not Available

Hazard Codes: Not Available

Risk Statements: Not Available

Safety Statements: Not Available

Canada

Canadian Domestic Substances List (DSL): Not listed Canadian

Non-Domestic Substances List (NDSL): Not listed

Section 16 - Other Information

Disclaimer: This material safety data sheet is provided as an information resource only. WEST BENGAL CHEMICAL INDUSTRIES LIMITED believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to verify its validity. The buyer assumes all responsibility of using and handling the product in accordance with federal, state, and local regulations.

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