



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: Ferrous Bis Glycinate

Product Code : IBG1921

Company Identification:

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Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt
Ferrous Bis Glycinate	20150 - 34 - 9	100

Section 3 - Hazards Identification

APPEARANCE	:	Free flowing, light to dark greenish powder with occasional friable lumps.
CAUTION	:	None
TARGET ORGANS	:	None
POTENTIAL HEALTH EFFECT (EYE, SKIN & INHALATION)	:	Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation
CHRONIC EXPOSURE	:	No known significant effects or critical hazards

Section 4 - First Aid Measures

INHALATION	:	Move exposed person to fresh air. If not breathing, seek immediate medical attention. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel and seek medical attention.
INGESTION	:	Vomiting caused by local irritant and astringent action of ionic Ferrous on stomach and bowel. IF SWALLOWED and victim is CONSCIOUS, have victim drink water or milk or induce vomiting.
SKIN CONTACT	:	Irritant, wash with soap and water. Cover the irritating skin with an emollient. Get medical attention if irritation develops. Cold water may be used.
EYE CONTACT	:	Conjunctivitis and edema of eyelids. Hold eyelids open and flush with plenty of water. Cold water may be used. Get medical attention if irritation occurs.





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Section 5 - Fire-Fighting Measures

HAZARDOUS COMBUSTION PRODUCTS	:	Decomposition products may include oxides of carbon (CO and CO ₂) and iron.
FIRE	:	Slightly flammable in presence of heat. Non flammable in presence of shocks.
EXPLOSION	:	Slightly explosive in presence of open flames and sparks. Non explosive in presence of shock.
FIRE EXTINGUISHING MEDIA	:	Use fire-extinguishing media appropriate to the surrounding fire SMALL FIRE : Use DRY chemical powder. LARGE FIRE : Use water spray, fog or foam. Do not use water jet.
SPECIAL INFORMATION	:	In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full-face piece operated in the pressure demand or other positive pressure mode.

Section 6 - Accidental Release Measures

SPILL CONTROL & RECOVERY	:	Wear appropriate personal protective equipment as specified in Section 8. Clean up spills in a manner that does not disperse dust into the air. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container.
DISPOSAL	:	Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.





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Section 7 - Handling and Storage

PRECAUTIONS	:	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe dust. Keep away from incompatibles such as oxidizing agent.
STORAGE	:	Store in accordance with local regulations. Store in original container, protected from direct sunlight. Keep container tightly closed and sealed until ready for use.

Section 8 - Exposure Controls / Personal Protection

ENGINEERING CONTROLS	:	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne Contaminants below the exposure limit.
PERSONAL PROTECTION	:	Safety glasses, Lab Coat, Dust respirator, Be sure to use an approved / certified respirator or equivalent, Gloves.
PERSONAL PROTECTION IN CASE OF A LARGE SPILL	:	Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
EXPOSURE LIMITS	:	Consult local authorities for acceptable exposure limits.

Section 9 - Physical and Chemical Properties

Appearance form	:	Free flowing, light to dark greenish powder, with occasional friable lumps, very hygroscopic.
Color	:	Light to dark greenish.
Odour	:	Odourless
Solubility	:	Soluble in water.
Molecular weight	:	203.96 g/mol
Other safety information	:	No data available





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Section 10 - Stability and Reactivity

Stability	:	The product is stable at room temperature.
Instability Temperature	:	Not available
Conditions of Instability	:	Not available
Incompatibility with various substances	:	Reactive with oxidizing agents.
Corrosivity	:	Non corrosive in presence of glass
Special remarks on Reactivity	:	Not available
Special remarks on Corrosivity	:	Not available
Polymerization	:	Will not occur.

Section 11 - Toxicological Information

Routes of Entry	:	Inhalation, Ingestion
Toxicity to Animals	:	LD50: Not available, LC50: Not available.
Chronic Effects on Humans	:	Not Available
Other Toxic Effects on Humans	:	Slightly hazardous in case of skin contact (irritation), or ingestion or inhalation.
Special Remarks on Toxicity to Animals	:	Not Available
Special Remarks on Chronic Effects on Humans	:	Not Available
Special Remarks on other Toxic Effects on Humans	:	Skin: Contact may cause irritation or rash, particularly with moist skin. Eyes: Dust may cause irritation (abrasion) by mechanical action and cause redness, and tearing. Inhalation: Inhalation high concentrations of dust may cause nasal or lung irritation. Ingestion: Ingestion can produce gastrointestinal tract irritation. Can cause diarrhea.





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Section 12 - Ecological Information

ECOTOXICITY	:	Not Available
BOD 5 and COD	:	Not Available
PRODUCTS of BIODEGRADATION	:	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
TOXICITY OF THE PRODUCTS OF BIODEGRADATION	:	The Product itself and its products of degradation are not toxic.
SPECIAL REMARKS ON THE PRODUCTS OF BIODEGRADATION.	:	Not Available

Section 13 - Disposal Considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14 - Transport Information

D O T Classification : Not a DOT controlled material

Air transport Goods : Nonhazardous/non dangerous as per IATA DGR.

Special Provision for Transport : Not applicable

IATA Specification : Non-dangerous, non-hazardous

DOT (Pictograms)

AS PER IATA REGULATION SAFE FOR CARRAGE, NON-HAZARDOUS AND NON-RESTRICTED.

NO SPECIAL LABELLING OR TRANSPORT MEASURE HAVE BEEN IDENTIFIED.

THIS IS NOT REGULATED AS PER IATA REGULATION





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Section 15 - Regulatory Information

FEDERAL AND STATE REGULATION	:	No Products were found.
WHIMS (CANADA) DSCL (EEC)	:	Not controlled under WHIMS (CANADA) This product is not classified according to EU regulations.
OTHER REGULATIONS	:	EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.
HMIS (USA) HEALTH HAZARD FIRE HAZARD REACTIVITY PERSONAL PROTECTION PROTECTIVE EQUIPMENT	:	Not available. : 1 : 1 : 0 : E : Gloves. Lab coat. Dust Respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

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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