



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: Manganese Bis Glycinate

Product Code: MNGNL22

Company Identification:

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Section 2 - Composition / Information on Ingredients

Formula: C₄H₈MnN₂O₄

Molecular Weight: 203.0554 g/mol

Ingredient Name	CAS Number	% wt
Manganese Bis Glycinate	14281-77-7	100%
Intended Use	: Food Supplement	

Section 3 - Hazards Identification

Classification of the substance or mixture

Physical Hazards

not classified

Health Hazards

not classified

Environmental Hazards

not classified

Label elements

not classified





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Section 4 - First Aid Measures

Description of first aid measures

First Aid: Eye

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

First Aid: Skin

Wash immediately with plenty of water and soap for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothes before reuse. Call a physician.

First Aid: Ingestion

Wash out mouth with water provided person is conscious. Call a physician.

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Most important symptoms and effects, both acute and delayed

Hints for Physician: Symptoms

See Section 11 for additional information on health hazards

Indication of any immediate medical attention and special treatment needed

First Aid: Inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

Hints for Physician: Treatment

Treat symptomatically.

Section 5 - Fire-Fighting Measures

Extinguishing Media

Suitable

foam, dry extinguishing powder, carbon dioxide (CO₂), water spray jet

Special hazards arising from the substance or mixture

Wear a self-contained breathing apparatus and chemical protective clothing.

Hazards During Fire-Fighting

toxic fumes

Fire-Fighting/Further Advice

Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

Section 6 - Accidental Release Measures

Personal Precautions, protective equipment and emergency procedures

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.

Environmental Precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant.





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Methods and material for containment and cleaning up

Not available

Further Accidental Release Measures

Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.

Section 7 - Handling and Storage

Precautions for safe handling

Handling advice

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage temperature

store at 10°C - 25°C

Storage Requirements

Keep away from incompatible substances. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls / Personal Protection

Exposure limit values

Does not contain any substances with occupational exposure limits.

Exposure controls

Industrial Hygiene

Mechanical exhaust required. Safety shower and eye shower

Personal Protective Equipment

Respiratory Protection

Wear NIOSH/MSHA or European Standard EN 149 approved respirator.

Hand Protection

Wear compatible chemical-resistant gloves to prevent skin exposure.

Eye Protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA.

Body Protection

Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.

Advice on Safe Handling

Wash contaminated clothing before reuse. Wear appropriate protective clothing to prevent exposure.





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Section 9 - Physical and Chemical Properties

Appearance Form	:	Powder
Color	:	Light brown
Odour	:	No data available
pH of 1 % w/v suspension	:	7.50 – 10.50
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	:	Partially soluble
Decomposition temperature	:	No data available
Viscosity	:	No data available
Other safety information		
No data available		

Section 10 - Stability and Reactivity

Reactivity

No Data Available

Chemical stability

No Data Available

Possibility of hazardous reaction

No Data Available

Conditions to Avoid (SDS)

incompatible materials

Incompatible materials

strong oxidizers

Hazardous decomposition products

nitrogen oxides (NO_x), carbon dioxide (CO₂), carbon monoxide

Section 11 - Toxicological Information

RTECS Reference	:	Not Available
Toxicity Data	:	Not Available
Target Organs	:	Not Available
Skin corrosion/irritation	:	Not Available
Serious eye damage/irritation	:	Not Available
Carcinogenicity:	:	Not Available





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Section 12 - Ecological Information

Toxicity	:	Not Available
Persistence and degradability	:	Not Available
Bioaccumulative potential	:	Not Available
Mobility in soil	:	Not Available
PBT and vPvB assessment	:	Not Available
Other adverse effects:	:	Not Available

Section 13 - Disposal Considerations

Contact a licensed professional waste disposal service. Dispose in a manner consistent with federal, state and local environmental regulations.

Section 14 - Transport Information

DOT 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

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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