



WEST BENGAL CHEMICAL INDUSTRIES LIMITED
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Section 1 - Chemical Product and Company Identification

1.1 Product Name: Coral Calcium (Coral calcium carbonate)

1.2 Product Code: CCCNL98

1.3 Recommended Use: Industrial uses; calcium carbonate-based additive.

1.4 Restrictions on Use: Avoid generating dust; refer to hazard information.

1.5 Contact Information:

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Section 2: Hazards Identification

2.1 Classification of the substance or mixture:

classified according to WHMIS Hazard

2.2 Signal:

Warning

2.3 Hazard Statement(s):

H320 Causes eye irritation

H373 May cause damage to kidneys through prolonged or repeated exposure

2.4 Precautionary Statement(s):

Prevention:

P261: Avoid breathing dust.

P280: Wear protective gloves and goggles.

P264: Wash hands thoroughly after handling.





Response:

P305+P351+P338: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P314: Get medical advice/attention if you feel unwell.

Storage:

P402: Store in a dry place.

P403: Store in a well-ventilated place.

Disposal:

P501: Dispose of contents/container in accordance with local regulations.

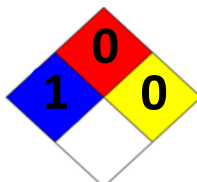
2.5 Hazards not otherwise classified (HNOC):

Not applicable

2.6 Pictogram:



2.7 NFPA SCALE:



NFPA SCALE (0-4)

2.8 HMIS RATINGS:

Health	2
Flammability	0
Physical Hazard	0
Personal protection	E

HMIS RATINGS (0-4)





Section 3: Composition/Information on Ingredients

3.1 Chemical Name: Calcium Carbonate. Material is similar to calcium carbonate with 73 trace minerals

3.2 Synonyms: Coral Calcium, Limestone Powder

3.3 Molecular Formula: CaCO_3

3.4 Molecular Wt.: 100.09 g/mol

3.5 CAS Number: 471-34-1

3.6 Percentage: 100%

Section 4: First Aid measures

4.1 Description of First Aid Measures:

4.1.1 Eye Contact: Flush eyes with lukewarm water for 15-20 minutes. Seek medical attention if irritation persists.

4.1.2 Skin Contact: Wash affected area with soap and water. Get medical attention if redness or irritation develops.

4.1.3 Inhalation: Remove person to fresh air. If not breathing, perform CPR and seek emergency medical care.

4.1.4 Ingestion: Rinse mouth with water. Do NOT induce vomiting unless directed by a medical professional. Seek immediate medical advice.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed:

Eye and respiratory irritation. Ingestion may cause gastrointestinal discomfort.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed:

Symptomatic treatment only; no specific antidote available.





Section 5: Fire – Fighting measures

5.1 Flammability:

Non-flammable

5.2 Suitable Extinguishing Media:

Use media appropriate for surrounding fire.

5.3 Auto-Ignition Temperature:

Not applicable.

5.4 Flash Points:

Not applicable.

5.5 Flammable Limits:

Not applicable.

5.6 Fire Hazards in Presence of Various Substances:

Not applicable.

5.7 Explosion Hazards in Presence of Various Substances:

5.7.1 Risks of explosion of the product in presence of mechanical impact: Not available.

5.7.2 Risks of explosion of the product in presence of static discharge: Not available

5.8 Hazardous Combustion Products:

May emit toxic fumes under fire conditions.

5.9 Fire Fighting Instructions:

Use self-contained breathing apparatus (SCBA) and full protective equipment.

5.10 Special Remarks on Fire Hazards:





Will ignite and burn fiercely in contact with fluorine. Special Remarks on Explosion Hazards: When a mixture of calcium carbonate and magnesium is heated in a current of hydrogen, a violent explosion occurs.

Section 6: Accidental Release Measures

6.1 Personal Precautions:

Use respiratory protection (approved dust mask) in high concentrations. Avoid contact with eyes and skin.

6.2 Environmental Precautions:

Prevent spill from entering drains and waterways.

6.3 Methods and materials for containment and cleaning up:

Sweep up carefully and place in sealed, properly labelled containers. Avoid creating dust.

6.3.1 Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

6.3.2 Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.





Section 7: Handling and Storage

7.1 Handling:

Avoid generating and inhaling dust. Use adequate ventilation. Wear protective gloves and goggles if direct handling is necessary.

7.2 Storage:

Store in a cool, dry, and well-ventilated area, away from acids and oxidizing agents. Keep container tightly sealed. Store below 25°C.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Engineering Controls: Maintain ventilation to meet the permissible exposure limit. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

8.2 Personal Protective Equipment (PPE):

8.2.1 Eyes: Safety goggles.

8.2.2 Respiratory: NIOSH-approved respirator if dust is present above limits.

8.2.3 Hands: Gloves resistant to abrasive and particulate matter.

8.2.4 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.





8.3 Exposure limit:

8.3.1 OSHA Exposure Limit (PEL): TWA of 15 mg/m³ for total dust; TWA of 5 mg/m³ for respirable fraction.

8.3.2 ACGIH Threshold Limit (TLV): TWA 10 mg/m³ (inhalable).

Section 9: Physical and Chemical Properties

Appearance:	White granules and powder
Odor:	Odorless
Odor Threshold:	No data available
pH (10% solution):	~9
Melting Point/Freezing Point:	> 800°C (Decomposes)
Initial Boiling Point and Boiling Range:	Not applicable
Flash Point:	Not applicable
Evaporation Rate:	No data available
Flammability (Solid, Gas):	Non-flammable
Upper/Lower Flammability or Explosive Limits:	Not applicable
Vapor Pressure:	Not applicable
Vapor Density:	Not applicable
Relative Density:	2.7 g/cm ³





Solubility(ies):	Insoluble in water; soluble in acids
Partition Coefficient (n-octanol/water):	No data available
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	> 800°C
Viscosity:	No data available

Section 10: Stability and Reactivity

10.1 Stability:

Stable under normal conditions.

10.2 Conditions to Avoid:

Avoid moisture, incompatible materials (acids, oxidizing agents).

10.3 Decomposition Products:

Calcium oxide and carbon dioxide when heated.

10.4 Incompatibility with various substances:

Reactive with oxidizing agents, acids.

10.5 Corrosivity:

Non-corrosive in presence of glass.

10.6 Special Remarks on Reactivity:

Hygroscopic. Will ignite and burn fiercely in contact with fluorine. Incompatible with acids, alum, ammonium salts, mercury + hydrogen, aluminium and magnesium

10.7 Special Remarks on Corrosivity:

Not available.





10.8 Polymerization:

Will not occur.

Section 11: Toxicological Information

11.1 Information on Toxicological Effects:

11.1.1 Acute Toxicity: LD50 (oral, rat): 6450 mg/kg

Not toxic by dermal exposure.

11.2 Chronic Effects on Humans:

May cause damage to the following organs:
kidneys.

11.3 Other Toxic Effects on Humans:

Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

11.4 Skin Corrosion/Irritation:

May cause mild irritation.

11.5 Serious Eye Damage/Irritation:

May cause temporary eye irritation.

11.6 Respiratory or Skin Sensitization:

Not expected to cause respiratory or skin sensitization.

11.7 Germ Cell Mutagenicity:

No mutagenic effects observed in standard assays.

11.8 Carcinogenicity:

Not listed as carcinogenic by IARC, NTP, or OSHA.

11.9 Reproductive Toxicity:





Not expected to cause reproductive or developmental toxicity.

11.10 STOT (Single Exposure):

May cause respiratory irritation if inhaled in significant concentrations.

11.11 STOT (Repeated Exposure):

Prolonged exposure may cause kidney damage.

11.12 Aspiration Hazard:

Not applicable for this material.

11.13 Special Remarks on Toxicity to Animals:

Not available.

11.14 Special Remarks on Chronic Effects on Humans:

Not available.

Section 12: Ecological Information

12.1 Toxicity:

No adverse effects noted in fish (LC50 >10 g/L).

Daphnia magna (EC50 >10 g/L).

Algae: No inhibitory concentration reported.

12.2 Persistence and Degradability:

Product persists in the environment, mainly as a particulate.

12.3 BOD5 and COD:





Not available.

12.4 Products of Biodegradation:

Possibly hazardous short-term degradation products are not likely. However, long term degradation products may arise.

12.5 Toxicity of the Products of Biodegradation:

The product itself and its products of degradation are not toxic.

12.6 Bioaccumulative Potential:

Not bioaccumulative; remains as solid particles.

12.7 Mobility in Soil:

Non-mobile; tends to settle due to insolubility.

12.8 Other Adverse Effects:

No known significant effects or hazards.

Section 13: DISPOSAL CONSIDERATIONS

Dispose of contents and container in accordance with local/regional waste management guidelines. Follow REACH disposal codes. Incinerate or landfill as per regulatory authority guidelines.

Section 14: TRANSPORT INFORMATION

14.1 UN Number:

Not classified as dangerous.

14.2 Transport Hazard Class:

Not regulated.

14.3 Packing Group:





Not applicable.

14.4 Environmental Hazards:

Not classified as marine pollutant.

14.5 DOT Classification:

Not a DOT controlled material (United States).

Identification: Not applicable.

14.6 Special Provisions for Transport:

Not applicable.

Section 15: REGULATORY INFORMATION

15.1 OSHA Compliance: Fully aligned with GHS (Globally Harmonized System of Classification).

15.2 WHMIS Compliance: WHMIS 2015 criteria met; not controlled.

15.3 WHMIS (Canada): Not controlled under WHMIS (Canada).

15.4 REACH Compliance: Information complies with Annex VII reporting for non-hazardous materials.

15.5 EINECS Number: Present in the European Inventory of Existing Commercial

15.6 Chemical Substances (207-439-9).

15.7 DSCL (EEC):

R36- Irritating to eyes. S2- Keep out of the reach of children. S46- If swallowed, seek medical

advice immediately and show this container or label.

15.8 HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

15.9 NFPA scale:





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Health: 1
Flammability: 0
Reactivity: 0
Specific hazard:
Protective Equipment:
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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