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CIN: U24230GJ2011PTC064654

Material Safety Data Sheet (MSDS)

Product Name: Powdered Oystershell JP Grade

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Manufacturer / Supplier:

SBF Pharma

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1. Identification of the Substance/Preparation and of the Company

- **Product Name:** Powdered Oystershell JP Grade
- **Recommended Use:** Pharmaceutical, nutraceutical, dietary supplement, food fortification, calcium supplements, antacid preparations, and research applications.

2. Hazard Identification

- **GHS Classification:** Not classified as hazardous under normal conditions of use.
- **Potential Health Effects:**
- **Eye Contact:** Dust may cause mild mechanical irritation.
- **Skin Contact:** May cause slight irritation in sensitive individuals.
- **Inhalation:** Excessive inhalation of dust may cause respiratory irritation.
- **Ingestion:** Low toxicity. Excessive ingestion may cause gastrointestinal discomfort.
- **Environmental Hazards:** Not considered hazardous to the environment.

3. Composition / Information on Ingredients

Chemical Name: Calcium Carbonate (Oyster Shell Derived)

CAS Number: 471-34-1

EC Number: 207-439-9

Purity: Typically 98.0% – 100.5%

Main Component: Calcium Carbonate (CaCO₃)

Origin: Purified natural oyster shells

4. First Aid Measures

- **Eye Contact:** Flush immediately with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
 - **Skin Contact:** Wash thoroughly with soap and water.
 - **Inhalation:** Move the affected person to fresh air. Obtain medical attention if symptoms persist.
 - **Ingestion:** Rinse mouth with water. Drink water to dilute contents. Seek medical advice if large quantities are ingested.
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5. Fire Fighting Measures

Suitable Extinguishing Media: Water spray, foam, carbon dioxide, or dry chemical powder.

Fire Hazard: Non-combustible material.

Hazardous Decomposition Products: Calcium oxide and carbon dioxide may form at elevated temperatures.

Protective Equipment: Wear self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures

- **Personal Precautions:** Avoid dust generation and inhalation.
- **Environmental Precautions:** Prevent large spills from entering drains and waterways.
- **Cleanup Methods:** Sweep, shovel, or vacuum into suitable containers for recovery or disposal.

7. Handling and Storage

Handling:

Avoid generating dust.

Use adequate ventilation.

Avoid inhalation and prolonged exposure.

Storage:

Store in tightly closed containers.

Protect from moisture and contamination.

Store in a cool, dry, well-ventilated area.

Recommended Storage Temperature: 15°C–30°C

8. Exposure Controls / Personal Protection

Engineering Controls: Provide adequate ventilation.

Respiratory Protection: Dust mask or approved respirator if dust levels are excessive.

Eye Protection: Safety goggles or safety glasses.

Hand Protection: Protective gloves recommended.

General Hygiene: Wash hands thoroughly after handling.

9. Physical and Chemical Properties

Appearance: White to off-white fine powder

Odour: Odourless

pH (10% Suspension): 8.0 – 10.0

Bulk Density: Approximately 0.70 – 1.00 g/ml

Solubility: Practically insoluble in water; soluble in dilute acids with effervescence

Melting Point: Not applicable

Decomposition Temperature: Approximately 825°C

10. Stability and Reactivity

Stability: Stable under recommended storage conditions.

Conditions to Avoid: Moisture, excessive heat, and acidic conditions.

Incompatible Materials: Strong acids and strong oxidizing agents.

Hazardous Decomposition Products: Calcium oxide and carbon dioxide.

11. Toxicological Information

Acute Toxicity: Low toxicity.

Eye Irritation: May cause temporary irritation due to dust.

Skin Irritation: May cause mild irritation.

Respiratory Effects: Dust may cause respiratory discomfort.

Chronic Effects: No known chronic adverse effects under normal use.

12. Ecological Information

Ecotoxicity: No known significant ecological hazards.

Persistence and Degradability: Naturally occurring mineral substance.

Bioaccumulative Potential: Not expected to bioaccumulate.

Mobility in Soil: Low mobility.

Environmental Impact: No significant environmental effects anticipated under normal use conditions.

13. Disposal Considerations

Dispose of material in accordance with local, regional, and national regulations.

Product Disposal: Dispose at approved waste disposal facilities.

Container Disposal: Recycle or dispose of packaging according to applicable regulations.

14. Transport Information (Detailed)

Road Transport (ADR/RID): Not classified as dangerous goods for transport.

Sea Transport (IMDG): Not regulated as hazardous cargo.

Air Transport (IATA): Not regulated as dangerous goods.

UN Number: Not Assigned

UN Proper Shipping Name: Not Regulated

Transport Hazard Class: Not Applicable

Packing Group: Not Applicable

Marine Pollutant: No

Environmental Hazard: None known.

Special Precautions for Transport:

- Transport in clean, dry, tightly sealed containers.
- Protect from moisture, contamination, and physical damage.
- Avoid generating dust during loading and unloading.
- Ensure packages are properly labeled and secured.
- Keep away from strong acids and incompatible chemicals during transportation.
- Avoid exposure to rain, excessive humidity, and direct sunlight for prolonged periods.
- Maintain packaging integrity throughout transport.

Bulk Transport Information: May be transported in HDPE bags, fiber drums, paper bags with liners, containers, or bulk transport systems under normal transportation conditions.

Emergency Measures During Transport: No special emergency procedures required. Clean spilled material using dry methods and avoid dust generation.

15. Regulatory Information

Product conforms to applicable Japanese Pharmacopoeia (JP) requirements where specified.

Not classified as hazardous under GHS criteria.

Applicable for pharmaceutical, nutraceutical, and food applications subject to local regulations.

16. Other Information

The information provided herein is believed to be accurate and reliable. However, no warranty is expressed or implied regarding its accuracy or completeness. Users are responsible for determining the suitability of this product for their intended applications and complying with all applicable regulations.

- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.sbfpharma.com

- MSDS are based on the manufacturer's provided information.