



The Ballard Group, Inc.

The World at Your Fingertips

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Bio-Buf

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

BOTANICAL NAME: Lithothamnium Calcareum

SYNONYMS/TRADE NAMES: Acid Buf

PRODUCED BY: Celtic Sea Minerals, Strand Farm, Currabinny, Co. Cork, IRELAND
Tel: +353 21 4378 377
Fax: +353 21 4378 466
Web: www.celticseaminerals

SUPPLIED BY (in USA): The Ballard Group, Inc. 6075 Miami Rd., Cincinnati, OH 45243
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2. COMPOSITION INFORMATION ON INGREDIENTS:

Contains: Calcareus Seaweed

3. HAZARDS IDENTIFICATION

Prolonged exposure to powdered products may cause mechanical irritation to eyes and lungs.

4. FIRST AID MEASURES

<u>Exposure Route</u>	<u>Symptom</u>	<u>Treatment</u>
Inhalation	Mild Irritation	Remove from exposure. If recovery is not rapid or complete Seek medical attention.
Eye Contact least 15 minutes.	Irritation	Irrigate thoroughly with water for at

Ingestion	Mild Irritation	If irritation persists seek medical attention. Wash out mouth with water. If patient feels Unwell seek medical attention.
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5. FIRE FIGHTING PROCEDURES:

Does not support combustion:

Suitable Fire Extinguishing Media:	Use an extinguisher suitable to the cause of the fire.
Hazardous Combustion Products:	N/A

6. ACCIDENTAL RELEASE MEASURES

Safety Precautions	Use goggles and dust mask in instances of high Dust concentration.
Clean up procedure	Shovel, sweep, vacuum

7. HANDLING AND STORAGE

Avoid formation of dust. Local exhaust recommended if handling large quantities.
Store in a cool dry area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protection Equipment:

Respiratory Protection:	Approved dust mask in high dust concentration
Hand	Gloves
Eye	Goggles
Skin	Lightweight overalls

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Acid Buf odor	Gray / off white powder, with characteristic seaweed

Decomposition Temperature	>850°C
Flashpoint	N/A
Flammability	Does not support combustion
Solubility	Insoluble in water, alcohol and most organic solvents

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Potentially hazardous reactions	Reacts with acids liberating Carbon Dioxide
Conditions to avoid	N/A
Materials to avoid	Acids

11. TOXICOLOGICAL INFORMATION

Local Effects	Fine powders may irritate the upper respiratory tract,
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prolonged skin contact may cause irritation to the eyes.
Unlikely to be hazardous if swallowed.

12. ECOLOGICAL INFORMATION

Environmental Effects	Insoluble in water and can easily be separated from aqueous
Aquatic Toxicity	Systems by sedimenting or filtration. N/A

13. DISPOSAL CONSIDERATIONS

Landfill Comply with local authority regulations

14. TRANSPORTATION INFORMATION

Not regulated

15. REGULATORY INFORMATION

No risks or hazards. Not regulated, Conform with local, State and Federal regulations.

16. OTHER INFORMATION

These products are intended for use as food ingredients and acidity regulators.

The information contained herein is based on data considered to be accurate and reliable. However, this data is provided without any warranty, express or implied regarding its correctness or accuracy. It is the users responsibility both to determine safe conditions for use of this product, and to assume liability for loss, injury, damage or expense resulting from the improper use of this product. Other states, provinces, and municipalities may have specific regulations concerning this product that are no reflected in this document. The user should review these regulations to ensure full compliance.