

## Granulated Fish Bonemeal 4-13-0

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Granulated Fish Bonemeal 4-13-0
<b>Other Means of Identification</b>	4-13-0 Bonemeal
<b>Product Family</b>	Agriculture
<b>Recommended Use</b>	Fertilizer.
<b>Restrictions on Use</b>	None known.
<b>Manufacturer/Supplier Identifier</b>	BioFert Manufacturing Inc., 464 Riverside Road, Abbotsford, BC, V2S 7M1
<b>Supplier Identifier</b>	Pacific Calcium, 32117 Hwy. 97, Tonasket, WA, 98855, 509-486-1201
<b>Emergency Phone No.</b>	CANUTEC, In the event of an emergency involving dangerous goods, call 613-996-6666 or *666 on a cellular phone.
<b>SDS No.</b>	0562

### SECTION 2. HAZARD IDENTIFICATION

**Classification**

Not classified under any hazard class.

**Label Elements**

Not applicable

**Other Hazards**

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Contains no hazardous ingredients.

Chemical Name	CAS No.	%	Other Identifiers	Other Names

### SECTION 4. FIRST-AID MEASURES

**First-aid Measures**

**Inhalation**

If individual is experiencing respiratory discomfort or irritation remove to fresh air. If discomfort or irritation persists, get medical attention/advice.

**Skin Contact**

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Get medical advice or attention if you feel unwell or are concerned.

**Eye Contact**

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open.

If eye irritation persists, get medical advice or attention.

#### **Ingestion**

Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned.

#### **First-aid Comments**

Get medical advice or attention if you feel unwell or are concerned.

#### **Most Important Symptoms and Effects, Acute and Delayed**

None known.

#### **Immediate Medical Attention and Special Treatment**

##### **Target Organs**

None known.

##### **Special Instructions**

No information available.

##### **Medical Conditions Aggravated by Exposure**

None known.

## **SECTION 5. FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

#### **Suitable Extinguishing Media**

Not combustible. Use extinguishing agent suitable for surrounding fire.

#### **Unsuitable Extinguishing Media**

None known.

### **Specific Hazards Arising from the Product**

Does not burn.

Not known to generate any hazardous decomposition products in a fire.

### **Special Protective Equipment and Precautions for Fire-fighters**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Fire-fighters should enter area wearing specialized protective equipment. (Bunker Gear will not provide adequate protection.).

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment, and Emergency Procedures**

Ventilate spillage area. Avoid contact with skin and eyes.

### **Environmental Precautions**

It is good practice to prevent releases into the environment.

### **Methods and Materials for Containment and Cleaning Up**

Avoid generating dust. Small spill: Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

### **Other Information**

None known.

## **SECTION 7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

Avoid breathing in this product. Do not get in eyes. Avoid generating dusts.

### **Conditions for Safe Storage**

Store in an area that is: cool, dry, well-ventilated.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Not available.

### Appropriate Engineering Controls

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

### Individual Protection Measures

#### Eye/Face Protection

Use tight-fitting safety goggles in areas of high dust concentration.

#### Skin Protection

Gloves, long sleeve shirts, long pants or cotton/synthetic overalls or coveralls are normally suitable. Launder work clothing regularly.

#### Respiratory Protection

Dust mask.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	granules.
Odour	Fishy
Odour Threshold	Not available
pH	Not available
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	Not available
Flash Point	Not available
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	Not available
Solubility	Not available in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)
Other Information	
Physical State	Solid
Bulk Density	Not available

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

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None expected under normal conditions of storage and use.

**Conditions to Avoid**

Generation of dust.

**Incompatible Materials**

None known.

**Hazardous Decomposition Products**

None known.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Likely Routes of Exposure**

Inhalation; skin contact; eye contact.

**Acute Toxicity**

LC50: No information was located.

LD50 (oral): No information was located.

LD50 (dermal): No information was located.

**Skin Corrosion/Irritation**

May cause skin irritation.

**Serious Eye Damage/Irritation**

May cause mild eye irritation.

**STOT (Specific Target Organ Toxicity) - Single Exposure**

**Inhalation**

Mild irritation in the respiratory tract.

**Skin Absorption**

No information was located.

**Ingestion**

May cause symptoms of vomiting or diarrhea if ingested in large quantities.

**Aspiration Hazard**

No information was located.

**STOT (Specific Target Organ Toxicity) - Repeated Exposure**

No information was located.

**Respiratory and/or Skin Sensitization**

In general, long-term exposures to high concentrations of dust may cause increased mucous flow in the nose and respiratory system airways. This condition usually disappears after exposure stops.

**Carcinogenicity**

Not a carcinogen.

**Reproductive Toxicity**

**Development of Offspring**

No information was located.

**Sexual Function and Fertility**

No information was located.

**Effects on or via Lactation**

No information was located.

**Germ Cell Mutagenicity**

No information was located.

**Interactive Effects**

No information was located.

## SECTION 12. ECOLOGICAL INFORMATION

Environmental information was not located.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Dispose of according to local, provincial and federal government requirements.

## SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

None known.

## SECTION 16. OTHER INFORMATION

**SDS Prepared By** Regulatory and Technical Resources

**Phone No.** 604-864-9044

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**Key to Abbreviations** ACGIH® = American Conference of Governmental Industrial Hygienists  
AIHA® = AIHA® Guideline Foundation HSDB® = Hazardous Substances Data Bank  
IARC = International Agency for Research on Cancer  
NFPA = National Fire Protection Association NIOSH = National Institute for Occupational Safety and Health  
NTP = National Toxicology Program  
OSHA = US Occupational Safety and Health Administration  
RTECS® = Registry of Toxic Effects of Chemical Substances

**References** Supplier's SDS.

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