

# Material Safety Data Sheet



Date Reviewed and Issued: November 13, 2007

MSDS #12008

## Section 1. Identification: Black Gold Fertilizer

### Product Names:

- Black Gold Bone Meal Fertilizer 3 – 15 – 0

### Manufacturer/Supplier:

Sun Gro Horticulture Canada Ltd.  
P.O. Box 189  
Seba Beach, AB T0E 2B0

### For more information call:

Western Region 1-888-797-7328  
Central Region 1-888-982-4500  
Eastern Region 1-888-896-1222  
For more information: [www.sungro.com](http://www.sungro.com)

Product Uses: Fertilizer

## Section 2. Hazardous Ingredient & Composition

Component	CAS#	Component	CAS#
Bone Meal	68409-76-7		

## Section 3. Physical/Chemical Characteristics

**Physical State:** Solid  
**Appearance:** Granular, powder or pellets  
**Color:** Tan, brown and gray  
**Odor:** Organic and earthy  
**pH:** Not applicable  
**Density:** 40-60 lbs/cubic foot

**Boiling Point:** Not applicable  
**Vapor Pressure:** Not applicable  
**Solubility in Water:** Not applicable  
**Melting point:** Not applicable  
**Evaporation rate:** Not applicable  
**Specific gravity:** Not applicable

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## Section 4. Hazard Identification

**Emergency overview:** when heated to decomposition this material emits toxic gases of nitrous oxide and ammonia. Irritable to eyes, nose, or mouth.

### **Potential health effects:**

- Inhalation:** In case of inhalation of fumes from overheating or combustion, move to fresh air. If needed, seek medical attention.
- Eye contact** In case of dust or granule in the eyes, flush thoroughly with running water.
- Skin Contact:** Wash thoroughly with soap and water.
- Ingestion:** Give plenty of water to drink and provoke vomiting. If needed, call a doctor.
- Medical Conditions aggravated by Exposure:** Inhalation of dust may aggravate asthma in susceptible individuals. Prolonged skin contact may cause mild skin irritation.

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## Section 5. First Aid

- Inhalation:** In case of inhalation of fumes from overheating or combustion, move to fresh air. If needed, seek medical attention.
- Eye contact:** In case of dust or granule in the eyes, flush thoroughly with running water.
- Skin Contact:** Wash thoroughly with soap and water.
- Ingestion:** Give plenty of water to drink and provoke vomiting. If needed, call a doctor

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## Section 6. Fire Fighting Measures

- Flashpoint and Method:** Decomposes on heating
- Extinguishing Media:** Dry chemical, water fog, foam, CO<sub>2</sub>
- Explosion Hazard:** High airborne dust concentrations have the potential for explosion.
- Fire Fighting Procedures:** Evacuate area. Flood with water to cool containers.
- Fire Fighting Equipment:** Wear self-contained breathing apparatus to fight large fires.
- Hazardous Decomposition Products:** In fire, toxic metal oxides may be produced.
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## Section 7. Accidental Release

Sweep up spills. Use good housekeeping practices. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Avoid dusting or misting conditions during cleanup. If material is uncontaminated, collect and reuse as recommended for product. If contaminated, put in appropriate container and dispose. Keep spills away from drinking water supplies. After cleaning up spill, flush area with water.

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## Section 8. Handling and Storage

- Handling:** See label. Wash hands with soap and water after handling product
- Storage:** Store in a cool, dry area away from incompatible materials and heat sources. Store away from feed and foodstuffs, as well as household cleaning products.
- Containers:** Avoid container breakage; keep away from sparks, flames and excessive heat.
- Carcinogenicity:** None known
- Effects of Exposure:** Avoid inhalation or contact with skin, eyes, or clothing.
- Ecological Information:** Keep out of lakes, streams or ponds.
- Other Concerns:** Keep out of reach of children and pets.
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## Section 9. Exposure Controls and Personal Protection

- Engineering Controls:** Ventilation and personal protection are recommended whenever dust levels are high or product does not remain intact. Running water should be available in case material gets in eyes.
- Respiratory Protection:** If airborne dust levels are high or product does not remain intact, use a combination of engineering controls, such as ventilation, and personal protection, such as an approved respirator, to reduce exposures to acceptable levels.
- Eyes and Face Protection:** None required for product use. High airborne dust levels may be irritating and use of chemical goggles is suggested.
- Skin:** None required for normal use. If prolonged or repeated use irritates skin, use neoprene or PVC gloves.
- Other Protective Clothing or Equipment:** Normal work clothing
- Work/Hygienic Practices:** Open wounds should be kept clean and suitably protected.
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## Section 10. Stability and Reactivity

<b>Chemical Stability:</b>	Stable
<b>Hazardous polymerization:</b>	No
<b>Conditions to Avoid:</b>	High heating
<b>Hazardous Decomposition Products:</b>	Nitrous oxides, ammonia and toxic metal oxides may be produced
<b>Incompatible Materials:</b>	Strong Alkaline agents.

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## Section 11. Toxicological Information

<b>Acute and Chronic Toxicity:</b>	No data
<b>Carcinogenicity, Teratogenicity, Mutagenicity, Reproductive Effects:</b>	None known
<b>General Comments</b>	Possible nausea, vomiting, diarrhea, skin or eye irritation. Inhalation of dust may aggravate asthma. Eye contact with product may cause irritation, flush eyes with water as soon as possible.

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## Section 12. Ecological Information

<b>Persistence and Degradability:</b>	Fertilizer granules are slightly soluble in water and biodegradable.
<b>Aquatic Toxicity:</b>	Large amounts of product released to water systems will be harmful to aquatic plant and animal life.

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## Section 13. Disposal Consideration

Disposal must be in accordance with Federal, State, and Local regulations. Uncontaminated product may be reused as fertilizer.

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## Section 14. Transport Information

Department of Transportation (DOT): Not DOT regulated.

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## Section 15. Regulatory Information

Contact local authorities for proper disposal of large quantities of unused product.

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## **Section 16. Other Information**

These materials are made from natural products and may contain naturally occurring microorganisms. Proper precautions are advised to prevent infection of open wounds, inhalation of excessive amounts of dust and eye irritation. The proper hygiene practices necessary to prevent health hazards from any naturally occurring substance such as soil, bark, etc., should be observed.

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