

# Material Safety Data Sheet

SECTION I. Product and Company Identification			
<b>PRODUCT NAME:</b>	Biotic 4-4-2	<b>EMERGENCY CONTACT PHONE NUMBERS:</b>	
<b>PRODUCT USES:</b>	Commercial	<b>Business Hours:</b> 509.488.5570	
<b>MSDS NUMBER:</b>	AG16LK	<b>Nights and Weekends:</b> 509.308.8591	
<b>MSDS PREPARED ON:</b>	12/13/2010	<i>In case of treating injuries please dial 911</i>	
<b>DISTRIBUTOR NAME</b>	<b>Perfect Blend, LLC</b>	<b>MANUFACTURER NAME:</b>	<b>Perfect Blend, LLC</b>
<b>ADDRESS</b>	188 106th Ave, NE Suite 401 Bellevue, WA 98004	<b>ADDRESS:</b>	771 S. Kulm Road Othello, WA 99344
<b>PHONE</b>	425.456.8890	<b>PHONE:</b>	509.488.5570

SECTION II. Ingredients Information and Composition			
IDENTITY: COMMON NAME (CAS#)	OSHA PEL	ACGIH TVL	OTHER LIMITS RECOMMENDED
Poultry Manure (N/A)	N/A	N/A	N/A
Fish By Products (N/A)	N/A	N/A	N/A
Sulfuric Acid (7664-93-9)	N/A	N/A	N/A
Copper Sulfate (7758-98-7)	N/A	N/A	N/A
Zinc Sulfate (7733-02-0)	N/A	N/A	N/A
Mangaese Sulfate (7785-87-7)	N/A	N/A	N/A
Boric Acid (10043-35-3)	N/A	N/A	N/A
Molybdenum Oxide (1313-27-5)	N/A	N/A	N/A
Cobat Sulfate (10124-43-3)	N/A	N/A	N/A
Ferrous Sulfate (13463-43-9)	N/A	N/A	N/A
Elemental Sulfur (7704-34-9)	N/A	N/A	N/A
<b>OVERVIEW:</b>	Not considered to be toxic for humans under normal conditions of use. This product may cause irritation to the eyes and skin. The product is a brown, grainy substance that is not flammable, combustible, or explosive under normal conditions.		
<b>POTENTIAL HEALTH EFFECTS:</b>	There are no chronic health effects from exposure to this product. <b>Routes of Exposure:</b> Inhalation is the most significant route of exposure in occupational and other settings. Dermal exposure can cause irritation.		

SECTION IV. First Aid Measures	
<b>INHALATION:</b>	If symptoms such as nose or throat irritation are observed, allow the person to rest in a well ventilated area/fresh air. Loosen tight clothing around the neck and waist. If irritation persists, seek medical attention.
<b>SKIN IRRITATION:</b>	Wash contaminated skin with soap and water. Cover dry or irritated skin with a good quality skin lotion. If irritation persists, seek medical attention.
<b>EYE CONTACT:</b>	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. If irritation persists, seek medical attention.
<b>SLIGHT INGESTION:</b>	Do not induce vomiting, low toxicity. May cause digestive tract irritation, accompanied by nausea, vomiting and diarrhea. If irritation persists, seek medical attention.

SECTION V. Fire Fighting Measures	
<b>GENERAL HAZARD:</b>	Non Explosive. Burns similar to dry poultry manure.
<b>FIRE HAZARD:</b>	In case of a fire use any fire extinguisher.

SECTION VI. Accidental Release Measures	
	Is a water soluble product , released at high concentration will cause damage to vegetation by root absorption.

This product is non-hazardous waste when spilled or disposed of.

### SECTION VII. Handling and Storage

**HANDLING:** Keep product in a dry location and avoid moisture. To avoid clumping or degradation of product, bags should be handled on a first-in-first-out basis.

**STORAGE TEMPERATURE:** Ambient      **STORAGE PRESSURE:** Atmospheric

### SECTION VIII. Exposure Controls / Personal Protection

**ENGINEERING MEASURES:** Use local exhaust ventilation to keep airborne concentrations of product dust below permissible exposure levels.

**PERSONAL PROTECTION:** Where airborne concentrations are expected to exceed exposure limits, NIOSH/MSHA certified respirators should be used. Eye goggles and gloves are not required but may be warranted in excessive contaminate dust conditions.

**OCCUPATIONAL EXPOSURE LIMITS:** Product is treated as a "Nuisance Dust". The OSHA/PEL is 15 mg/m<sup>3</sup> total dust and 5 mg/m<sup>3</sup> respirable dust.

### SECTION IX. Physical and Chemical Properties

**BOILING POINT:** N/A      **SPECIFIC GRAVITY (H<sub>2</sub>O =1):** .55-.60

**VAPOR PRESSURE:** N/A      **MELTING POINT :** N/A

**VAPOR DENSITY :** N/A      **EVAPORATION RATE:** N/A

**SOLUBILITY IN WATER:** 50%      **pH:** 6.1-6.3

### SECTION X. Stability and Reactivity

**GENERAL:** Product is stable under dry conditions. **Incompatible materials and conditions to avoid:** Material will react with metal when wet causing metal fatigue and rust at accelerated rates.

**HAZARDOUS DECOMPOSITION:** None

### SECTION XI. Toxicological Information

Formal testing has not been conducted. No long term exposure information.

### SECTION XII. Ecological Information

Avoid runoff and spillage. This product can create excessively high nitrate levels in both soil and water.

### SECTION XIII. Disposal Considerations

**DISPOSAL GUIDANCE:** Small quantities of Product can usually be disposed of at landfill sites. No special disposal treatment is required, but local authorities should be consulted about any specific local requirements. Tonnage quantities of product are not recommended to be sent to landfills. Such product should, if possible, be used for an appropriate application.

### SECTION XIV. Transport Information

Not Regulated.

### SECTION XV. Regulatory Information

General fertilizer rules and regulations must be followed according to local government.

### SECTION XVI. Other Information

**CAUTIONS:** DO NOT INGEST, MAY CAUSE EYE IRRITATION, MAY CAUSE SKIN IRRITATION, AVOID CONTAMINATION OF FOOD OR FEED, KEEP OUT OF REACH OF CHILDREN

### PERFECT BLEND, LLC - NOTICE TO READER

The buyer assumes all risk in connection with the use of this product. The buyer assumes all responsibility for ensuring this material is used in a safe manner in compliance with applicable environmental, health and safety laws, policies and guidelines. Perfect Blend, LLC assumes no responsibility for injury or damage cause directly or indirectly by or related to the use of this product.