

## MATERIAL SAFETY DATA SHEET

### I. IDENTIFICATION

MANUFACTURED FOR:	Bridgewell Resources LLC 12420 SE Carpenter Drive Clackamas, OR 97015	PHONE NO.:	(877) 760-5410
PRODUCT NAME:	PAR4 2-14-0 Steamed Bonemeal®	SYNONYMS:	Granulated Bonemeal; 2-11-0; 2-14-0; 1-11-0; Calcium Phosphate Carbonates with Protein

### II. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS: Calcium Phosphate Carbonates with Protein, Bentonite Clay

### III. HAZARD(S) IDENTIFICATION

EYE CONTACT: May cause irritation  
 INGESTION: May cause gastrointestinal tract disorders, nausea, diarrhea, or vomiting.  
 INHALATION: May cause breathing difficulty with excess inhalation. Considered a nuisance dust.  
 SKIN CONTACT: May cause irritation - especially to sensitive individuals.

### IV. FIRST-AID MEASURES

EYE CONTACT: Remove contact lenses. Flush eyes, including under eyelids, with large amounts of water for at least 15 minutes. If irritation persists, obtain medical attention.  
 INGESTION: Do not induce vomiting. Call a physician.  
 INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Obtain medical attention.  
 SKIN IRRITATION: Wash affected area promptly with mild soap and water. If irritation persists, obtain medical attention.

### V. FIRE-FIGHTING MEASURES

FIRE HAZARD:	Not Flammable	FLASH POINT:	NA
AUTO IGNITION:	NA	LEL/UEL	NA

EXTINGUISHING MEDIA: Foam, Carbon Dioxide

Special Fire Fighting Procedures: Fire Fighting should wear full-faced, self-containing breathing apparatus and impervious clothing (gloves, hood, suits and rubber boots). Prevent runoff from entering drains, sewers, or bodies of water. Fertilizer will become slippery when wet. Guard against falls.

Unusual Fire & Explosion Hazards: Product is not flammable; however, some ingredients may burn and/or decompose under fire conditions to give off ammonia, which may be toxic. Beware of smoldering granules.

### VI. ACCIDENTAL RELEASE MEASURES

If released to land, stop discharge and contain. If released to water, contain by damming and divert water if possible. Collect product and contaminated water for disposal. Contaminated material not unsuitable can be used as fertilizer. Otherwise, dispose at approved landfill following local, provincial and federal guidelines. Do not dispose in sewage system due to plant nutrients.

## VII. HANDLING AND STORAGE

**HANDLING:** Avoid contact with skin, eyes & clothing. Do not take internally. Avoid breathing dust. Wash after handling. Do not apply directly to water. Do not contaminate water by disposal of equipment wash water.

**STORAGE:** Store in cool, dry area out of reach of children and animals. Keep separate from other fertilizer, pesticides, seed, feed and foodstuffs.

## VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation should be sufficient to maintain dust levels below applicable exposure levels. Safety glasses/goggles, gloves, dust mask, and long-sleeved clothing recommended when dust levels are excessive. Avoid excess inhalation. If excessive dust, use NIOSH/MSHA dust respirator. Avoid excess heat & humidity.

## IX. PHYSICAL AND CHEMICAL PROPERTIES

<b>BOILING POINT:</b>	NA (Not Applicable)	<b>% VOLATILE:</b>	<5% (moisture)
<b>VAPOR PRESSURE:</b>	NA	<b>BULK DENSITY (lbs/cu.ft):</b>	
<b>VAPOR DENSITY AIR = 1:</b>	NA	<b>MELTING POINT:</b>	NA
<b>SOLUBILITY IN H<sup>2</sup>O:</b>	Slow	<b>EVAPORATION RATE:</b>	NA
<b>SPECIFIC GRAVITY:</b>	1.7 - 2.0	<b>pH:</b>	6.5 - 8.5
<b>APPEARANCE &amp; ODOR:</b>	Organic odor; light to dark tan colored granules		

## X. STABILITY AND REACTIVITY

<b>STABILITY:</b>	Stable
<b>CONDITIONS TO AVOID:</b>	Excess heat and humidity
<b>INCOMPATIBILITY</b>	None
<b>HAZARDOUS POLYMERIZATION:</b>	Will Not Occur
<b>HAZARDOUS DECOMPOSITION/BY PRODUCTS:</b>	May release ammonia under fire conditions.

## XI. TOXICOLOGICAL INFORMATION

<b>Exposure Limits:</b>	ACGIH-TLV: 10 mg/m <sup>3</sup>	OSHA-PELV: 15 mg/m <sup>3</sup>
<b>Effects of Over-Exposure:</b>	Breathing difficulty with excess inhalation	

## XII. ECOLOGICAL INFORMATION

Keep out of any body of water. Do not apply directly to water.

## XIII. DISPOSAL CONSIDERATIONS

Dispose according to USEPA guidelines as outlined in RCRA. Follow state and local regulations. Be certain container is completely empty before disposal. Do not re-use container.

## XIV. TRANSPORT INFORMATION

This product is not a DOT hazardous material.

## XV. REGULATORY INFORMATION

## **XVI. OTHER INFORMATION**

**MSDS REVISION SUMMARY:** This MSDS is in ANSI format, with new information in many sections. Read this information carefully before using this product.

**IMPORTANT:**

This information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. Buyer assumes all risk of use, storage and handling of product in compliance with applicable federal, state and local laws and regulations. Bridgewell Resources LLC and its subsidiaries make no warranty of any kind, express or implied, concerning the accuracy or completeness of the information and data herein. The implied warranties of merchantability and fitness for a particular purpose are specifically excluded.

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