



## SECTION 1: IDENTIFICATION

### 1.1. Product Identifier

**Product Form:** Mixture  
**Product Name:** TurfGro and TurfGro Plus – All Analyses  
**Other means of identification:** Granular fertilizers including all chemical, partially sulfur coated, 100% polymer or sulfur coated nutrients, with and without micronutrients.

### 1.2. Intended Use of the Product

**Use of the substance/mixture:** Fertilizer

### 1.3. Name, Address, and Telephone of the Responsible Party Company

Bonus Crop Fertilizer, Inc.  
Post Office Box 1062  
5903 Highway 66  
Greenville, Texas 75403  
(903) 455-9439

### 1.4. Emergency Telephone Number

**Emergency Number:** 1-800-424-9300 Chemtrec (transportation and spills); 1-800-900-4044 Poison Control Center (human health); 1-800-345-4735 (animal health).

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

#### Classification (GHS-US)

|                   |      |
|-------------------|------|
| Skin Irrit. 2     | H315 |
| Eye Irrit. 2A     | H319 |
| Skin Sens. 1      | H317 |
| STOT SE 3         | H335 |
| Aquatic Acute 3   | H402 |
| Aquatic Chronic 3 | H412 |

### 2.2. Label Elements

#### GHS-US Labeling

##### Hazard Pictograms (GHS-US)



##### Signal Word (GHS-US)

: Warning



#### **Hazard Statements (GHS-US)**

H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation H335 -  
May cause respiratory irritation H402 -  
Harmful to aquatic life  
H412 - Harmful to aquatic life with long lasting effects

#### **Precautionary Statements (GHS-US)**

P261 - Avoid breathing dust  
P264 - Wash hands thoroughly after handling  
P271 - Use only outdoors or in a well-ventilated area  
P272 - Contaminated work clothing should not be allowed out of the workplace  
P273 - Avoid release to the environment  
P280 - Wear eye protection, protective gloves, protective clothing  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water  
P304+P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P312 - Call a POISON CENTER/doctor/physician if you feel unwell  
P321 - Specific treatment (see Section 4)  
P332+P313 - If skin irritation occurs: Get medical advice/attention P333+P313 - If skin irritation or rash occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention  
P362 - Take off contaminated clothing and wash before reuse P362+P364 - Take off contaminated clothing and wash it before reuse P403+P233 - Store in a well-ventilated place. Keep container tightly closed P405 - Store locked up  
P501 - Dispose of contents/container according to local, regional, national, and international regulations

#### **2.3. Other Hazards**

**Other Hazards:** No additional information available

#### **2.4. Unknown Acute Toxicity (GHS-US)**

No data available

### **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

#### **3.1. Substance**

Not applicable

#### **3.2. Mixture**



| Name                                              | Product identifier  | %        | Classification (GHS-US)                                                                                                |
|---------------------------------------------------|---------------------|----------|------------------------------------------------------------------------------------------------------------------------|
| Urea                                              | (CAS No) 57-13-6    | 0.1 - 98 | Skin Irrit. 2, H315<br>Eye Irrit. 2B, H320                                                                             |
| Sulfuric acid, dipotassium salt                   | (CAS No) 7778-80-5  | 0.1 - 95 | Not classified                                                                                                         |
| Diammonium phosphate                              | (CAS No) 7783-28-0  | 0.1 - 95 | Skin Irrit. 2, H315<br>Eye Irrit. 2B, H320<br>STOT SE 3, H335<br>Aquatic Acute 3, H402                                 |
| Potassium chloride                                | (CAS No) 7447-40-7  | 0.1 - 95 | Aquatic Acute 3, H402                                                                                                  |
| Monoammonium phosphate                            | (CAS No) 7722-76-1  | 0.1 - 95 | Skin Irrit. 2, H315<br>Eye Irrit. 2B, H320<br>STOT SE 3, H335                                                          |
| Ammonium sulfate                                  | (CAS No) 7783-20-2  | 0.1 - 95 | Aquatic Acute 2, H401                                                                                                  |
| Limestone                                         | (CAS No) 1317-65-3  | 0.1 - 95 | Not classified                                                                                                         |
| Sulfur                                            | (CAS No) 7704-34-9  | 0.1 - 20 | Comb. Dust, H232<br>Flam. Sol. 2, H228<br>Skin Irrit. 2, H315<br>Eye Irrit. 2B, H320<br>Aquatic Acute 3, H402          |
| Iron oxide (Fe <sub>2</sub> O <sub>3</sub> )      | (CAS No) 1309-37-1  | 0.1 - 10 | Not classified                                                                                                         |
| Urea, polymer with formaldehyde                   | (CAS No) 9011-05-6  | 0.1 - 10 | Not classified                                                                                                         |
| Magnesium sulfate                                 | (CAS No) 7487-88-9  | 0.1 - 10 | Skin Sens. 1, H317                                                                                                     |
| Ferrous sulfate                                   | (CAS No) 7720-78-7  | 0.1 - 10 | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400 |
| Manganese oxide (Mn <sub>3</sub> O <sub>4</sub> ) | (CAS No) 1317-35-7  | 0.1 - 10 | Not classified                                                                                                         |
| Sulfate of Potash-Magnesia                        | (CAS No) 14977-37-8 | 0.1 - 10 | Not classified                                                                                                         |

Full text of H-phrases: see section 16

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of First Aid Measures

**First-aid Measures General:** If medical advice is needed, have product container or label at hand.

**First-aid Measures After Inhalation:** If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if necessary. Obtain medical attention if breathing difficulty persists.

**First-aid Measures After Skin Contact:** Wash skin thoroughly with mild soap and water. Obtain medical attention if irritation develops or persists. Wash contaminated clothing before reuse.

**First-aid Measures After Eye Contact:** Immediately rinse with water for a prolonged period (at least 15 minutes) while holding the eyelids wide open. Obtain medical attention if irritation develops or persists.

**First-aid Measures After Ingestion:** If swallowed, do not induce vomiting; seek medical advice immediately and show this



container or label.

**4.2. Most important symptoms and effects, both acute and delayed**

**Symptoms/Injuries After Inhalation:** Overexposure may be irritating to the respiratory system.

**Symptoms/Injuries After Skin Contact:** May cause skin irritation.

**Symptoms/Injuries After Eye Contact:** May cause eye irritation.

**Symptoms/Injuries After Ingestion:** If a large quantity has been ingested: Abdominal pain. Diarrhea. Nausea. Vomiting.

**4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed**

If medical advice is needed, have product container or label at hand.

## SECTION 5: FIRE-FIGHTING MEASURES

**5.1. Extinguishing Media**

**Suitable Extinguishing Media:** Not considered flammable but will burn at high temperatures. Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** None known.

**5.2. Special Hazards Arising From the Substance or Mixture**

**Fire Hazard:** Decomposes above 132 °C (270 °F). Under conditions of fire this material may produce: Ammonia. Nitrogen oxides. Biuret. Cyanuric acid.

**Explosion Hazard:** May form explosive compounds if mixed with: Calcium hypochlorite. Sodium hypochlorite. Nitrates. Nitric acid. Perchloric acid. Product itself is not explosive but if dust is generated, dust clouds suspended in air can be explosive. **Reactivity:** This product as shipped in the form of coarse granules should not contain sufficient dust to present an explosion hazard. Prevent dust accumulation (to minimize explosion hazard).

**5.3. Advice for Firefighters**

**Firefighting Instructions:** Not flammable.

**Protection During Firefighting:** Wear full fire-fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

**Other information:** Do not allow run-off from fire fighting to enter drains or water courses.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1. Personal Precautions, Protective Equipment and Emergency Procedures**

**General Measures:** Handle in accordance with good industrial hygiene and safety practice. This material becomes slippery when wet.

**6.1.1. For Non-emergency Personnel**

**Protective Equipment:** Wear suitable protective clothing, gloves and eye/face protection.

**Emergency Procedures:** Collect as any solid. Ventilate area. Evacuate unnecessary personnel.

**6.1.2. For Emergency Responders**

**Protective Equipment:** Wear suitable protective clothing, gloves and eye/face protection.

**Emergency Procedures:** If possible, stop flow of product. Contain and collect as any solid. Ventilate area. Evacuate unnecessary personnel.

**6.2. Environmental Precautions**

Avoid release to the environment.

**6.3. Methods and Material for Containment and Cleaning Up**

**For Containment:** Contain and collect as any solid. Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.

**Methods for Cleaning Up:** Recover the product by vacuuming, shoveling or sweeping. Avoid generation of dust during clean-up of spills. If spilled directly onto the ground, remove sufficient soil to ensure material is fully recovered. Material may be used if uncontaminated.

**6.4. Reference to Other Sections** No additional information available.



## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Additional Hazards When Processed:** This material becomes slippery when wet.

**Precautions for Safe Handling:** Handle in accordance with good industrial hygiene and safety procedures. Wear recommended personal protective equipment. Avoid creating or spreading dust.

**Hygiene Measures:** Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Storage Conditions:** Store tightly closed in a dry, cool and well-ventilated place. Protect from moisture.

**Prohibitions on mixed storage:** Store away from: Ammonium nitrate. Refer to Section 10 on Incompatible Materials.

**Special Rules on Packaging:** Corrosive to copper and its alloys.

### 7.3. Specific End Use(s)

Fertilizer.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

| Limestone (1317-65-3)                                    |                                      |                        |
|----------------------------------------------------------|--------------------------------------|------------------------|
| USA NIOSH                                                | NIOSH REL (TWA) (mg/m <sup>3</sup> ) | 5 mg/m <sup>3</sup>    |
| USA OSHA                                                 | OSHA PEL (TWA) (mg/m <sup>3</sup> )  | 5 mg/m <sup>3</sup>    |
| Iron oxide (Fe <sub>2</sub> O <sub>3</sub> ) (1309-37-1) |                                      |                        |
| USA ACGIH                                                | ACGIH TWA (mg/m <sup>3</sup> )       | 5 mg/m <sup>3</sup>    |
| USA NIOSH                                                | NIOSH REL (TWA) (mg/m <sup>3</sup> ) | 5 mg/m <sup>3</sup>    |
| USA IDLH                                                 | US IDLH (mg/m <sup>3</sup> )         | 2500 mg/m <sup>3</sup> |
| USA OSHA                                                 | OSHA PEL (TWA) (mg/m <sup>3</sup> )  | 5 mg/m <sup>3</sup>    |

### 8.2. Exposure Controls

**Appropriate Engineering Controls**

: Ensure all national/local regulations are observed.

**Personal Protective Equipment**

: Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.  
For particulates and dust: Safety glasses.



**Hand Protection**

: Protective gloves.

**Eye Protection**

: Safety glasses.

**Skin and Body Protection**

: Wear suitable protective clothing.

**Respiratory Protection**

: If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.

**Environmental Exposure Controls**

: Ensure adequate ventilation, especially in confined areas.



## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

|                                            |                                   |
|--------------------------------------------|-----------------------------------|
| Physical State                             | : Solid                           |
| Appearance                                 | : Granules. Multi-colored.        |
| Color                                      | : White                           |
| Odor                                       | : Slight. Pungent.                |
| Odor Threshold                             | : No data available               |
| pH                                         | : No data available               |
| pH solution                                | : 10 %                            |
| Relative Evaporation Rate (butylacetate=1) | : No data available               |
| Melting Point                              | : No data available               |
| Freezing Point                             | : No data available               |
| Boiling Point                              | : No data available               |
| Flash Point                                | : No data available               |
| Auto-ignition Temperature                  | : No data available               |
| Decomposition Temperature                  | : No data available               |
| Flammability (solid, gas)                  | : No data available               |
| Vapor Pressure                             | : No data available               |
| Relative Vapor Density at 20 °C            | : No data available               |
| Relative Density                           | : No data available               |
| Density                                    | : 45 (45 - 65) lb/ft <sup>3</sup> |
| Solubility                                 | : Water: Moderately               |
| Partition coefficient: n-octanol/water     | : No data available               |
| Viscosity                                  | : No data available               |

### 9.2. Other Information No additional information available

## SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity:** This product as shipped in the form of coarse granules should not contain sufficient dust to present an explosion hazard. Prevent dust accumulation (to minimize explosion hazard).
- 10.2 Chemical Stability:** Stable at standard temperature and pressure.
- 10.3 Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4 Conditions to Avoid:** Protect from moisture. Keep away from heat.
- 10.5 Incompatible Materials:** May form explosive mixture if in contact with strong acid such as nitric or perchloric acids. Avoid contact with : Strong oxidizers. Strong acids, bases. Nitrates. Hypochlorites. Perchlorates. Chlorides. Corrosive to copper and its alloys.
- 10.6 Hazardous Decomposition Products:** Under conditions of fire this material may produce: Nitrogen oxides. Ammonia. Biuret. Carbon oxides (CO, CO<sub>2</sub>). Formaldehyde.



## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information On Toxicological Effects

**Acute Toxicity:** Not classified

|                                                             |                                              |
|-------------------------------------------------------------|----------------------------------------------|
| <b>Sulfuric acid, dipotassium salt (7778-80-5)</b>          |                                              |
| LD50 Oral Rat                                               | 6600 mg/kg                                   |
| ATE (Oral)                                                  | 6,600.00 mg/kg body weight                   |
| <b>Diammonium phosphate (7783-28-0)</b>                     |                                              |
| LD50 Oral Rat                                               | 6500 mg/kg                                   |
| LD50 Dermal Rabbit                                          | > 7950 mg/kg                                 |
| ATE (Oral)                                                  | 6,500.00 mg/kg body weight                   |
| <b>Potassium chloride (7447-40-7)</b>                       |                                              |
| LD50 Oral Rat                                               | 2600 mg/kg                                   |
| ATE (Oral)                                                  | 2,600.00 mg/kg body weight                   |
| <b>Monoammonium phosphate (7722-76-1)</b>                   |                                              |
| LD50 Oral Rat                                               | 5750 mg/kg                                   |
| LD50 Dermal Rabbit                                          | > 7940 mg/kg                                 |
| ATE (Oral)                                                  | 5,750.00 mg/kg body weight                   |
| <b>Ammonium sulfate (7783-20-2)</b>                         |                                              |
| LD50 Oral Rat                                               | > 2000 mg/kg                                 |
| <b>Sulfur (7704-34-9)</b>                                   |                                              |
| LD50 Oral Rat                                               | > 3000 mg/kg                                 |
| LD50 Dermal Rabbit                                          | > 2000 mg/kg                                 |
| LC50 Inhalation Rat                                         | > 9.23 mg/l/4h                               |
| <b>Iron oxide (Fe<sub>2</sub>O<sub>3</sub>) (1309-37-1)</b> |                                              |
| LD50 Oral Rat                                               | > 10000 mg/kg                                |
| <b>Urea, polymer with formaldehyde (9011-05-6)</b>          |                                              |
| LC50 Inhalation Rat                                         | > 167 mg/m <sup>3</sup> (Exposure time: 4 h) |
| <b>Ferrous sulfate (7720-78-7)</b>                          |                                              |
| LD50 Oral Rat                                               | 237 mg/kg                                    |
| ATE (Oral)                                                  | 237.00 mg/kg body weight                     |

**Skin Corrosion/Irritation:** Causes skin irritation.

**Serious Eye Damage/Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitization:** May cause an allergic skin reaction.

**Germ Cell Mutagenicity:** Not classified.

**Carcinogenicity:** Not classified.





|                                                             |   |
|-------------------------------------------------------------|---|
| <b>Iron oxide (Fe<sub>2</sub>O<sub>3</sub>) (1309-37-1)</b> |   |
| IRAC group                                                  | 3 |

**Reproductive Toxicity:** Not classified.

**Specific Target Organ Toxicity (Single Exposure):** May cause respiratory irritation.

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Overexposure may be irritating to the respiratory system.

**Symptoms/Injuries After Skin Contact:** May cause skin irritation.

**Symptoms/Injuries After Eye Contact:** May cause eye irritation.

**Symptoms/Injuries After Ingestion:** If a large quantity has been ingested : Abdominal pain. Diarrhea. Nausea. Vomiting.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

|                                                    |                                                                                                    |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>Sulfuric acid, dipotassium salt (7778-80-5)</b> |                                                                                                    |
| LC50 Fish 1                                        | 653 mg/l (Exposure time: 96 h - Species: <i>Lepomis macrochirus</i> )                              |
| EC50 Daphnia 1                                     | 890 mg/l (Exposure time: 48 h - Species: <i>Daphnia magna</i> )                                    |
| LC 50 Fish 2                                       | 3550 mg/l (Exposure time: 96 h - Species: <i>Lepomis macrochirus</i> [static])                     |
| <b>Diammonium phosphate (7783-28-0)</b>            |                                                                                                    |
| LC50 Fish 1                                        | 26.5 mg/l (Exposure time: 96 h - Species: <i>Oncorhynchus mykiss</i> )                             |
| LC 50 Fish 2                                       | 24.8 - 29.4 mg/l (Exposure time: 96 h - Species: <i>Oncorhynchus mykiss</i> [flow-through])        |
| <b>Potassium chloride (7447-40-7)</b>              |                                                                                                    |
| LC50 Fish 1                                        | 1060 mg/l (Exposure time: 96 h - Species: <i>Lepomis macrochirus</i> [static])                     |
| EC50 Daphnia 1                                     | 825 mg/l (Exposure time: 48 h - Species: <i>Daphnia magna</i> )                                    |
| LC 50 Fish 2                                       | 750 - 1020 mg/l (Exposure time: 96 h - Species: <i>Pimephales promelas</i> [static])               |
| EC50 Daphnia 2                                     | 83 mg/l (Exposure time: 48 h - Species: <i>Daphnia magna</i> [Static])                             |
| <b>Ammonium sulfate (7783-20-2)</b>                |                                                                                                    |
| LC50 Fish 1                                        | 5.2 (5.2 - 8.2) mg/l (Exposure time: 96 h - Species: <i>Oncorhynchus mykiss</i> [static])          |
| EC50 Daphnia 1                                     | 14 mg/l (Exposure time: 48 h - Species: <i>Daphnia magna</i> )                                     |
| LC 50 Fish 2                                       | 32.2 (32.2 - 41.9) mg/l (Exposure time: 96 h - Species: <i>Oncorhynchus mykiss</i> [flow-through]) |
| <b>Sulfur (7704-34-9)</b>                          |                                                                                                    |
| LC50 Fish 1                                        | 866 mg/l (Exposure time: 96 h - Species: <i>Brachydanio rerio</i> [static])                        |
| LC 50 Fish 2                                       | 14 mg/l (Exposure time: 96 h - Species: <i>Lepomis macrochirus</i> [static])                       |
| <b>Magnesium sulfate (7487-88-9)</b>               |                                                                                                    |
| LC50 Fish 1                                        | 2610 - 3080 mg/l (Exposure time: 96 h - Species: <i>Pimephales promelas</i> [static])              |
| EC50 Daphnia 1                                     | 266.4 - 417.3 mg/l (Exposure time: 48 h - Species: <i>Daphnia magna</i> [Static])                  |





|                                    |                                                                          |
|------------------------------------|--------------------------------------------------------------------------|
|                                    |                                                                          |
| <b>Ferrous sulfate (7720-78-7)</b> |                                                                          |
| LC50 Fish 1                        | 925 mg/l (Exposure time: 96 h - Species: Poecilia reticulata [static])   |
| EC50 Daphnia 1                     | 152 mg/l (Exposure time: 48 h - Species: Daphnia magna)                  |
| LC 50 Fish 2                       | 0.56 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [semi-static]) |
| EC50 Daphnia 2                     | 6.15 - 9.26 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) |
| <b>Urea (57-13-6)</b>              |                                                                          |
| LC50 Fish 1                        | 16200 - 18300 mg/l (Exposure time: 96 h - Species: Poecilia reticulata)  |
| EC50 Daphnia 1                     | 3910 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])        |

#### 12.2. Persistence and Degradability

|                                               |                                                                                                                                                                                                                                                                             |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>BCF Granular Fertilizer – All Analyses</b> |                                                                                                                                                                                                                                                                             |
| <b>Persistence and Degradability</b>          | May cause long-term adverse effects in the environment. This product is water soluble and eventually biodegrades into elemental nitrogen. Excess nitrogen and nitrates in a body of water will contribute to eutrophication with visible effects such as toxic algae bloom. |

#### 12.3. Bioaccumulative Potential

|                                           |                               |
|-------------------------------------------|-------------------------------|
| <b>Diammonium phosphate (7783-28-0)</b>   |                               |
| BCF fish 1                                | (no bioaccumulation expected) |
| <b>Monoammonium phosphate (7722-76-1)</b> |                               |
| BCF fish 1                                | (no bioaccumulation expected) |
| <b>Ammonium sulfate (7783-20-2)</b>       |                               |
| Log Pow                                   | -5.1 (at 25 °C)               |
| <b>Urea (57-13-6)</b>                     |                               |
| BCF fish 1                                | < 10                          |
| Log Pow                                   | -1.59 (at 25 °C)              |

**12.4. Mobility in Soil** No additional information available

**12.5. Other Adverse Effects**

No additional information available

## SECTION 13: DISPOSAL CONSIDERATIONS



### 13.1. Waste treatment methods

**Sewage Disposal Recommendations:** This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

**Waste Disposal Recommendations:** Place in an appropriate container and dispose of the contaminated material at a licensed site.

**Additional Information:** Dispose of waste material in accordance with all local, regional, national, and international regulations.

## SECTION 14: TRANSPORT INFORMATION

**14.1 In Accordance with DOT** Not regulated for transport

**14.2 In Accordance with IMDG** Not regulated for transport

**14.3 In Accordance with IATA** Not regulated for transport

## SECTION 15: REGULATORY INFORMATION

### 15.1 US Federal Regulations

|                                                                           |                                 |
|---------------------------------------------------------------------------|---------------------------------|
| <b>BCF Granular Fertilizer – All Analyses</b>                             |                                 |
| <b>SARA Section 311/312 Hazard Classes</b>                                | Immediate (acute) health hazard |
| <b>Sulfuric acid, dipotassium salt (7778-80-5)</b>                        |                                 |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |                                 |
| <b>Diammonium phosphate (7783-28-0)</b>                                   |                                 |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |                                 |
| <b>Potassium chloride (7447-40-7)</b>                                     |                                 |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |                                 |
| <b>Monoammonium phosphate (7722-76-1)</b>                                 |                                 |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |                                 |
| <b>Ammonium sulfate (7783-20-2)</b>                                       |                                 |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |                                 |
| <b>Limestone (1317-65-3)</b>                                              |                                 |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |                                 |
| <b>Sulfur (7704-34-9)</b>                                                 |                                 |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |                                 |
| <b>Iron oxide (Fe<sub>2</sub>O<sub>3</sub>) (1309-37-1)</b>               |                                 |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |                                 |
| <b>Urea, polymer with formaldehyde (9011-05-6)</b>                        |                                 |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |                                 |
| <b>Magnesium sulfate (7487-88-9)</b>                                      |                                 |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |                                 |
| <b>Ferrous sulfate (7720-78-7)</b>                                        |                                 |



|                                                                           |
|---------------------------------------------------------------------------|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |
| <b>Manganese oxide (Mn<sub>3</sub>O<sub>4</sub>) (1317-35-7)</b>          |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |
| <b>Urea (57-13-6)</b>                                                     |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |

## 15.2 US State Regulations

|                                                                       |
|-----------------------------------------------------------------------|
| <b>Ammonium sulfate (7783-20-2)</b>                                   |
| U.S. - Massachusetts - Right To Know List                             |
| U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List |
| U.S. - Pennsylvania - RTK (Right to Know) List                        |
| <b>Limestone (1317-65-3)</b>                                          |
| U.S. - Massachusetts - Right To Know List                             |
| U.S. - New Jersey - Right to Know Hazardous Substance List            |
| U.S. - Pennsylvania - RTK (Right to Know) List                        |
| <b>Sulfur (7704-34-9)</b>                                             |
| U.S. - Massachusetts - Right To Know List                             |
| U.S. - New Jersey - Right to Know Hazardous Substance List            |
| U.S. - Pennsylvania - RTK (Right to Know) List                        |
| <b>Iron oxide (Fe<sub>2</sub>O<sub>3</sub>) (1309-37-1)</b>           |
| U.S. - Massachusetts - Right To Know List                             |
| U.S. - New Jersey - Right to Know Hazardous Substance List            |
| U.S. - Pennsylvania - RTK (Right to Know) List                        |
| <b>Ferrous sulfate (7720-78-7)</b>                                    |
| U.S. - Massachusetts - Right To Know List                             |
| U.S. - New Jersey - Right to Know Hazardous Substance List            |
| U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List |
| U.S. - Pennsylvania - RTK (Right to Know) List                        |
| <b>Manganese oxide (Mn<sub>3</sub>O<sub>4</sub>) (1317-35-7)</b>      |
| U.S. - Massachusetts - Right To Know List                             |
| U.S. - New Jersey - Right to Know Hazardous Substance List            |
| U.S. - Pennsylvania - RTK (Right to Know) List                        |

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

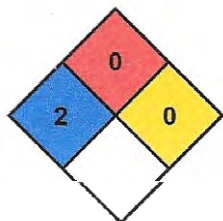
**Revision date:** 06/04/2015

**Other Information:** This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**GHS Full Text Phrases:**



|                           |   |                                                                                                                                          |
|---------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------|
| Acute Tox. 4 (Oral)       |   | Acute toxicity (oral) Category 4                                                                                                         |
| Aquatic Acute 1           |   | Hazardous to the aquatic environment - Acute Hazard Category 1                                                                           |
| Aquatic Acute 2           |   | Hazardous to the aquatic environment - Acute Hazard Category 2                                                                           |
| Aquatic Acute 3           |   | Hazardous to the aquatic environment - Acute Hazard Category 3                                                                           |
| Aquatic Chronic 3         |   | Hazardous to the aquatic environment - Chronic Hazard Category 3                                                                         |
| Comb. Dust                |   | Combustible Dust                                                                                                                         |
| Eye Irrit. 2A             |   | Serious eye damage/eye irritation Category 2A                                                                                            |
| Eye Irrit. 2B             |   | Serious eye damage/eye irritation Category 2B                                                                                            |
| Flam. Sol. 2              |   | Flammable solids Category 2                                                                                                              |
| Skin Irrit. 2             |   | Skin corrosion/irritation Category 2                                                                                                     |
| Skin Sens. 1              |   | Skin sensitization Category 1                                                                                                            |
| STOT SE 3                 |   | Specific target organ toxicity (single exposure) Category 3                                                                              |
| H228                      |   | Flammable solid                                                                                                                          |
| H232                      |   | May form combustible dust concentrations in air                                                                                          |
| H302                      |   | Harmful if swallowed                                                                                                                     |
| H315                      |   | Causes skin irritation                                                                                                                   |
| H317                      |   | May cause an allergic skin reaction                                                                                                      |
| H319                      |   | Causes serious eye irritation                                                                                                            |
| H320                      |   | Causes eye irritation                                                                                                                    |
| H335                      |   | May cause respiratory irritation                                                                                                         |
| H400                      |   | Very toxic to aquatic life                                                                                                               |
| H401                      |   | Toxic to aquatic life                                                                                                                    |
| H402                      |   | Harmful to aquatic life                                                                                                                  |
| H412                      |   | Harmful to aquatic life with long lasting effects                                                                                        |
| <b>NFPA Fire Hazard</b>   | 0 | Materials that will not burn.                                                                                                            |
| <b>NFPA Reactivity</b>    | 0 | Normally stable, even under fire exposure conditions, and are not reactive with water.                                                   |
| <b>NFPA Health Hazard</b> | 2 | Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given. |





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Bonus Crop Fertilizer, Inc.  
P. O. Box 1062  
Greenville, TX 75403