



# Safety Data Sheet

GROWING SMARTER

Issue Date: 14-May-2020

Revision Date: 18-May-2020

Version 1

## 1. IDENTIFICATION

### Product identifier

**Product Name** SmartBlend 9-9-9 + 11%Fe Blended

### Other means of identification

**SDS #** FERT-013

### Recommended use of the chemical and restrictions on use

**Recommended Use** Fertilizer.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

Fertizona Casa Grande LLC  
2850 South Peart Rd  
Casa Grande, AZ 85193  
www.fertizona.com  
Ph: 520-836-7477

### Emergency telephone number

**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Physical state** Solid

**Odor** Fertilizer-like

### Classification

This SDS was created using the criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) and is compliant with the Globally Harmonized System of Labeling and Classification of Chemicals (GHS).

Serious eye damage/eye irritation

Category 2

### Signal Word

**Warning**

### Hazard statements

Causes serious eye irritation



### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention

**Other hazards**

Harmful to aquatic life with long lasting effects

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Please also refer to subsequent sections of this SDS for additional information regarding the components of this product.

| Chemical name           | CAS No    | Weight-% |
|-------------------------|-----------|----------|
| Ammonium Sulfate        | 7783-20-2 | 30-40    |
| Mono-ammonium Phosphate | 7722-76-1 | 10-20    |
| Calcium Sulfate         | 7778-18-9 | 1-10     |

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

**4. FIRST AID MEASURES****Description of first aid measures**

|                       |   |
|-----------------------|---|
| <b>General Advice</b> | Provide this SDS to medical personnel for treatment.  |
| <b>Eye Contact</b>    | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.          |
| <b>Skin Contact</b>   | Wash with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.                                      |
| <b>Inhalation</b>     | Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician/poison center if individual's condition declines or if symptoms persist.                                  |
| <b>Ingestion</b>      | Rinse mouth. Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Call a poison center or doctor/physician if you feel unwell. |

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

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | Causes serious eye irritation. May cause skin irritation. May be harmful if swallowed. May be harmful in contact with skin. Inhalation may cause respiratory tract irritation. |
|-----------------|--|

**Indication of any immediate medical attention and special treatment needed**

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Product is not flammable.

**Hazardous combustion products** Carbon oxides.

**Explosion Data**

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Wear protective clothing as described in Section 8 of this safety data sheet. Ventilate area of leak or spill.

**Environmental precautions**

**Environmental precautions** Do not allow into any sewer, on the ground or into any body of water. See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Avoid creating dust. Reclaim where possible. Sweep up and shovel into suitable containers for disposal. For waste disposal, see section 13 of the SDS.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on Safe Handling** Avoid generation of dust. Wear eye/face protection. Wear protective gloves/protective clothing. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8. Wash face, hands and any exposed skin thoroughly after handling. Avoid breathing dusts. Use only in well ventilated areas. Observe precautions found on the label.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Materials** Strong oxidizing agents. Strong acids. Strong bases.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

| Chemical name                | ACGIH TLV  | OSHA PEL  | NIOSH IDLH   |
|------------------------------|--|---|--|
| Calcium Sulfate<br>7778-18-9 | TWA: 10 mg/m <sup>3</sup> inhalable particulate matter | TWA: 15 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable fraction<br>(vacated) TWA: 15 mg/m <sup>3</sup><br>(vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction | TWA: 10 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable dust |

**Appropriate engineering controls**

**Engineering Controls** Maintain eye wash fountain and quick-drench facilities in work area.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Safety glasses as a minimum for protection. Refer to 29 CFR 1910.133 for eye and face protection regulations.

**Skin and Body Protection** Wear protective gloves and protective clothing. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

**Respiratory Protection** If necessary, wear a MSHA/NIOSH-approved respirator. Refer to 29 CFR 1910.134 for respiratory protection requirements.

**General Hygiene Considerations** Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown on section 4 of this SDS. Launder contaminated clothing before reuse.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

|                       |                |                       |                 |
|-----------------------|----------------|-----------------------|-----------------|
| <b>Physical state</b> | Solid          | <b>Odor</b>           | Fertilizer-like |
| <b>Appearance</b>     | Not determined | <b>Odor Threshold</b> | Not determined  |
| <b>Color</b>          | Not determined |                       |                 |

| <u>Property</u>                        | <u>Values</u>    | <u>Remarks • Method</u> |
|--|------------------|-------------------------|
| pH                                     | Not determined   |                         |
| Melting point / freezing point         | Not determined   |                         |
| Boiling point / boiling range          | Not determined   |                         |
| Flash point                            | Not determined   |                         |
| Evaporation Rate                       | Not determined   |                         |
| Flammability (Solid, Gas)              | Not determined   |                         |
| Flammability Limit in Air              |                  |                         |
| Upper flammability or explosive limits | Not determined   |                         |
| Lower flammability or explosive limits | Not determined   |                         |
| Vapor Pressure                         | Not determined   |                         |
| Vapor Density                          | Not determined   |                         |
| Relative Density                       | Not determined   |                         |
| Water Solubility                       | Soluble in water |                         |
| Solubility in other solvents           | Not determined   |                         |
| Partition Coefficient                  | Not determined   |                         |
| Autoignition temperature               | Not determined   |                         |
| Decomposition temperature              | Not determined   |                         |
| Kinematic viscosity                    | Not determined   |                         |
| Dynamic Viscosity                      | Not determined   |                         |
| Explosive Properties                   | Not determined   |                         |
| Oxidizing Properties                   | Not determined   |                         |

**10. STABILITY AND REACTIVITY**

**Reactivity**  
Not reactive under normal conditions.

**Chemical stability**  
Stable under recommended storage conditions.



**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Harmful to aquatic life with long lasting effects.

**Component Information**

| Chemical name                        | Algae/aquatic plants                         | Fish   | Crustacea   |
|--------------------------------------|--|--|---|
| Ammonium Sulfate<br>7783-20-2        |  | 250: 96 h Brachydanio rerio mg/L LC50 32.2 - 41.9: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 18: 96 h Cyprinus carpio mg/L LC50 123 - 128: 96 h Poecilia reticulata mg/L LC50 semi-static 460 - 1000: 96 h Leuciscus idus mg/L LC50 static 420: 96 h Brachydanio rerio mg/L LC50 semi-static 480: 96 h Brachydanio rerio mg/L LC50 flow-through 126: 96 h Poecilia reticulata mg/L LC50 5.2 - 8.2: 96 h Oncorhynchus mykiss mg/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 | 14: 48 h Daphnia magna mg/L LC50 423: 24 h Daphnia magna mg/L EC50        |
| Mono-ammonium Phosphate<br>7722-76-1 |  | 85.9: 96 h Oncorhynchus mykiss mg/L LC50 static  |   |
| Potassium Chloride<br>7447-40-7      | 2500: 72 h Desmodesmus subspicatus mg/L EC50 | 1060: 96 h Lepomis macrochirus mg/L LC50 static 750 - 1020: 96 h Pimephales promelas mg/L LC50 static  | 83: 48 h Daphnia magna mg/L EC50 Static 825: 48 h Daphnia magna mg/L EC50 |
| Calcium Sulfate<br>7778-18-9         |  | 1970: 96 h Pimephales promelas mg/L LC50 static 2980: 96 h Lepomis macrochirus mg/L LC50 static  | 3200: 120 h Nitscheria linearis mg/L EC50                                 |

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

There is no data for this product.

**Mobility**

| Chemical name                 | Partition coefficient |
|-------------------------------|-----------------------|
| Ammonium Sulfate<br>7783-20-2 | -5.1                  |

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

| Chemical name           | TSCA | TSCA Inventory Status | DSL/NDSL | EINECS/ELI NCS | ENCS | IECSC | KECL | PICCS | AICS |
|-------------------------|------|-----------------------|----------|----------------|------|-------|------|-------|------|
| Ammonium Sulfate        | X    | ACTIVE                | X        | X              | X    | X     | X    | X     | X    |
| Iron saccharate         |      |                       |          | X              | X    |       |      |       |      |
| Mono-ammonium Phosphate | X    | ACTIVE                | X        | X              | X    | X     | X    | X     | X    |
| Potassium Chloride      | X    | ACTIVE                | X        | X              | X    | X     | X    | X     | X    |
| Calcium Sulfate         | X    | ACTIVE                | X        | X              | X    | X     | X    | X     | X    |

**Legend:**

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations**

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical name                       | CAS No    | Weight-% | SARA 313 - Threshold Values % |
|-------------------------------------|-----------|----------|-------------------------------|
| Ammonium Sulfate - 7783-20-2        | 7783-20-2 | 30-40    | 1.0                           |
| Mono-ammonium Phosphate - 7722-76-1 | 7722-76-1 | 10-20    | 1.0                           |

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical name                 | New Jersey | Massachusetts | Pennsylvania |
|-------------------------------|------------|---------------|--------------|
| Ammonium Sulfate<br>7783-20-2 |            | X             | X            |
| Calcium Sulfate<br>7778-18-9  | X          | X             | X            |

**16. OTHER INFORMATION**

**NFPA**

**Health Hazards**

**Flammability**

**Instability**

**Special Hazards**

**HMIS**

**Health Hazards**

**Flammability**

**Physical hazards**

**Personal Protection**

Not determined

Not determined

Not determined

Not determined

Not determined

Not determined

Not determined

Not determined

Issue Date: 14-May-2020

Revision Date: 18-May-2020

Revision Note: New product

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**