SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : Arizona's Best L&G Ammonium Sulfate 21-0-0
Product code : LG 40006, LG 40006-50, LG 40006-63, LG 40007, LG 40007-32, LG 40007-35

1.2. Relevant identified uses of the substance or mixture and uses advised against

Plant and lawn fertilizer

1.3. Details of the supplier of the safety data sheet

Western Organics, Inc.
420 E. Southern Ave.
Tempe, AZ, 85282
1-602-792-0275

1.4. Emergency telephone number

Emergency numbers : CHEMTREC 1-800-424-9300; AMERICAN ASSOC. POISON CONTROL 1-800-222-1222

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification
Not classified

2.2. Label elements

GHS-US labelling
No labelling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>ammonium sulfate (7783-20-2)</td>
<td>(CAS No) 7783-20-2</td>
<td>100</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : Allow breathing of fresh air. Allow the victim to rest.
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available
### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media


**Unsuitable extinguishing media**: Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

No additional information available

#### 5.3. Advice for firefighters

**Firefighting instructions**: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

**Protection during firefighting**: Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel**

**Emergency procedures**: Evacuate unnecessary personnel.

**For emergency responders**

**Protective equipment**: Equip cleanup crew with proper protection.

**Emergency procedures**: Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up**: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Precautions for safe handling**: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions**: Keep only in the original container in a cool, well ventilated place away from sources of ignition. Direct sunlight.

**Incompatible products**: Strong bases. Strong acids.

**Incompatible materials**: Keep container closed when not in use.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

**Personal protective equipment**: Avoid all unnecessary exposure.

**Hand protection**: Wear protective gloves.

**Eye protection**: Chemical goggles or safety glasses.

**Respiratory protection**: Wear appropriate mask.

**Other information**: Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

**Physical state**: Solid

**Appearance**: White solid. Crystals.
ARIZONA'S BEST L&G AMMONIUM SULFATE 21-0-0

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>White</td>
</tr>
<tr>
<td>Odour</td>
<td>Odourless</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>5.5 - 6</td>
</tr>
<tr>
<td>Melting point</td>
<td>&gt;= °C</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>235 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>Non-Flammable</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>66 - 69 lbs/ft³</td>
</tr>
</tbody>
</table>
| Solubility                                  | Water: Solubility in water of component(s) of the mixture:  
  • ammonium sulfate (7783-20-2): 77 g/100ml |
| Log Pow                                     | No data available                  |
| Auto-ignition temperature                   | No data available                  |
| Decomposition temperature                   | No data available                  |
| Viscosity                                   | No data available                  |
| Viscosity, kinematic                        | No data available                  |
| Viscosity, dynamic                          | No data available                  |

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No additional information available

10.2. Chemical stability
Stable.

10.3. Possibility of hazardous reactions
Not established.

10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials
Oxidizers. Strong acids. Strong bases.

10.6. Hazardous decomposition products
The product may reach melting point and decompose to release NH3, SOx, POx, or CN. fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity
Not classified

<table>
<thead>
<tr>
<th>Substance</th>
<th>Route of Exposure</th>
<th>LD50/mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arizona's Best L&amp;G Ammonium Sulfate 21-0-0</td>
<td>Oral rat</td>
<td>640 - 4250</td>
</tr>
<tr>
<td></td>
<td>Dermal rat</td>
<td>&gt; 2000</td>
</tr>
<tr>
<td></td>
<td>ATE US (oral)</td>
<td>640,000</td>
</tr>
<tr>
<td>ammonium sulfate (7783-20-2) (7783-20-2)</td>
<td>Oral rat</td>
<td>2840</td>
</tr>
</tbody>
</table>

11/22/17  EN (English)
### ammonium sulfate (7783-20-2) (7783-20-2)

<table>
<thead>
<tr>
<th>Toxicity Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>2840.000 mg/kg bodyweight</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>pH</td>
<td>5.5 - 6</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>pH</td>
<td>5.5 - 6</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
<tr>
<td>Potential adverse human health effects and symptoms</td>
<td>Based on available data, the classification criteria are not met.</td>
</tr>
</tbody>
</table>

### SECTION 12: Ecological information

#### 12.1. Toxicity

- **ammonium sulfate (7783-20-2) (7783-20-2)**
  - LC50 fish 1: 126 mg/l (96 h; Poecilia reticulata)
  - EC50 Daphnia 1: 202 mg/l (96 h; Daphnia magna)
  - LC50 fish 2: 250 - 480 mg/l (96 h; Brachydanio rerio)
  - EC50 Daphnia 2: 433 mg/l (50 h; Daphnia magna)
  - TLM fish 1: 1290 ppm (96 h; Gambusia affinis)

#### 12.2. Persistence and degradability

- **Arizona's Best ammonium sulfate 21-0-0**
  - Persistence and degradability: Not established.
- **Anti-caking agent**
  - Persistence and degradability: Not established.

#### 12.3. Bioaccumulative potential

- **Arizona's Best L&G ammonium sulfate 21-0-0**
  - Bioaccumulative potential: Not established.
- **Anti-caking agent**
  - Bioaccumulative potential: Not established.

#### 12.4. Mobility in soil

- No additional information available

#### 12.5. Other adverse effects

- **Effect on the global warming**
  - No known ecological damage caused by this product.
- **Other information**
  - Avoid release to the environment.
SECTION 13: Disposal considerations

13.1. Waste treatment methods

| Waste disposal recommendations | Dispose in a safe manner in accordance with local/national regulations. |
| Ecology - waste materials | Avoid release to the environment. |

SECTION 14: Transport information

Department of Transportation (DOT)
In accordance with DOT
Not regulated for transport

TDG
No additional information available

Transport by sea
No additional information available

Air transport
No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

**Arizona's Best L&G Ammonium Sulfate 21-0-0**
Not listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

<table>
<thead>
<tr>
<th>Anti-caking agent</th>
<th>CAS No</th>
<th>%</th>
</tr>
</thead>
</table>

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

**CANADA**
No additional information available

**EU-Regulations**
No additional information available

**National regulations**
No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information


Other information : Revised Version 11-15-17

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