### SECTION 1: Identification

#### 1.1. Identification
- **Product form:** Mixture
- **Product name:** Agropell by Simplot 15-15-15 with 10% Sulfur
- **Product code:** M15000

#### 1.2. Recommended use and restrictions on use
No additional information available

#### 1.3. Supplier
- **JR Simplot Company**
  - P.O. Box 70013
  - Boise, ID 83707
  - T 1-208-336-2110

#### 1.4. Emergency telephone number
- **Emergency number:** CHEMTREC 1-800-424-9300

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture
**GHS-US classification**
- **Serious eye damage/eye irritation, Category 2B**
  - H320 - Causes eye irritation
- **Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation**
  - H335 - May cause respiratory irritation

Full text of H statements: see section 16

#### 2.2. GHS Label elements, including precautionary statements
- **GHS-US labelling**
  - **Signal word (GHS-US):** Warning
  - **Hazard statements (GHS-US):**
    - H320 - Causes eye irritation
    - H335 - May cause respiratory irritation
  - **Precautionary statements (GHS-US):**
    - P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
    - P264 - Wash hands, forearms and face thoroughly after handling
    - P271 - Use only outdoors or in a well-ventilated area
    - P304+P340 - If inhaled: Remove person to fresh air and keep 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/... if you feel unwell
    - P337+P313 - If eye irritation persists: Get medical attention
    - P403+P233 - Store in a well-ventilated place. Keep container tightly closed
    - P405 - Store locked up
    - P501 - Dispose of contents/container to...

#### 2.3. Other hazards which do not result in classification
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</td>
<td>(CAS No) 7783-20-2</td>
<td>15</td>
<td>Eye Irrit. 2B, H320 STOT SE 3, H335</td>
</tr>
<tr>
<td>potassium chloride</td>
<td>(CAS No) 7447-40-7</td>
<td>15</td>
<td>Not classified</td>
</tr>
<tr>
<td>Monoammonium Phosphate</td>
<td>(CAS No) 7722-76-1</td>
<td>15</td>
<td>Eye Irrit. 2B, H320 STOT SE 3, H335</td>
</tr>
<tr>
<td>urea (57-13-6)</td>
<td>(CAS No) 57-13-6</td>
<td>15</td>
<td>Eye Irrit. 2B, H320</td>
</tr>
<tr>
<td>wax (paraffins-petroleum)</td>
<td>(CAS No) 64771-72-8</td>
<td>15</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

Full text of hazard classes and 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: Remove person to fresh air and keep comfortable for breathing. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. 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. Wash skin with plenty of water.

First-aid measures after eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist. Rinse eyes with water as a precaution.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Potential adverse human health effects and symptoms: Based on available data, the classification criteria are not met.

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

Symptoms/injuries after inhalation: May cause respiratory irritation.

Symptoms/injuries after eye contact: Causes eye irritation.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media


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

5.2. Specific hazards arising from the chemical

Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

5.3. Special protective equipment and precautions for fire-fighters

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. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures: Ventilate spillage area. Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: “Exposure controls/personal protection”.

Emergency procedures: Ventilate area.
6.2. Environmental precautions
Avoid release to the environment. 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 : Recover mechanically the product. On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections
See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling : Wear personal protective equipment. 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. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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 : Keep container tightly closed. Keep container closed when not in use. Store in a well-ventilated place. Keep cool.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Material</th>
<th>Control parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>ammonium sulfate (7783-20-2)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Monoammonium Phosphate (7722-76-1)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>potassium chloride (7447-40-7)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>wax (paraffins- petroleum) (64771-72-8)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>urea (57-13-6) (57-13-6)</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

8.2. Appropriate engineering controls
Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:
Avoid all unnecessary exposure.

Hand protection:
Wear protective gloves

Eye protection:
Chemical goggles or safety glasses

Skin and body protection:
Wear suitable protective clothing

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Granules.</td>
</tr>
<tr>
<td>Colour</td>
<td>Light green</td>
</tr>
<tr>
<td>Odour</td>
<td>characteristic</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>6 - 7</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Non flammable.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble.</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
</tbody>
</table>

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Not established.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

#### 10.5. Incompatible materials

Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products


### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity: Not classified
ammonium sulfate (7783-20-2)

<table>
<thead>
<tr>
<th>Test Type</th>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td></td>
<td>2840 mg/kg (Rat)</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td></td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td></td>
<td>2840 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

Monoammonium Phosphate (7722-76-1)

<table>
<thead>
<tr>
<th>Test Type</th>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td></td>
<td>5750 mg/kg (Rat)</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td></td>
<td>&gt; mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td></td>
<td>&gt; 7940 mg/kg (Rabbit)</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td></td>
<td>5750 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

potassium chloride (7447-40-7)

<table>
<thead>
<tr>
<th>Test Type</th>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td></td>
<td>2600 mg/kg (Rat)</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td></td>
<td>2600 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

wax (paraffins- petroleum) (64771-72-8)

<table>
<thead>
<tr>
<th>Test Type</th>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td></td>
<td>&gt; 5000 mg/kg (Rat)</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td></td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
</tr>
</tbody>
</table>

urea (57-13-6) (57-13-6)

<table>
<thead>
<tr>
<th>Test Type</th>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td></td>
<td>8471 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Literature study; 14300 mg/kg bodyweight; Rat; Experimental value)</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td></td>
<td>&gt; 3200 mg/kg (Rat; Literature study)</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td></td>
<td>&gt; 21000 mg/kg (Rabbit; Literature study)</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td></td>
<td>8471 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation : Not classified
pH: 6 - 7

Serious eye damage/irritation : Causes eye irritation.
pH: 6 - 7

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : May cause respiratory irritation.

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

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

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after eye contact : Causes eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

ammonium sulfate (7783-20-2)

<table>
<thead>
<tr>
<th>Test Type</th>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td></td>
<td>126 mg/l (96 h; Poecilia reticulata)</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td></td>
<td>202 mg/l (96 h; Daphnia magna)</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td></td>
<td>250 - 480 mg/l (96 h; Brachydanio rerio)</td>
</tr>
<tr>
<td>EC50 Daphnia 2</td>
<td></td>
<td>433 mg/l (50 h; Daphnia magna)</td>
</tr>
</tbody>
</table>
**Agropell by Simplot 15-15-15 with 10% Sulfur**

**Safety Data Sheet**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

---

### 12.2. Persistence and degradability

#### Agropell by Simplot 15-15-15 with 10% Sulfur

<table>
<thead>
<tr>
<th>Substance</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>ammonium sulfate (7783-20-2)</td>
<td>Not established.</td>
</tr>
<tr>
<td>Monoammonium Phosphate (7722-76-1)</td>
<td>Biodegradability in water: no data available. Not established.</td>
</tr>
<tr>
<td>potassium chloride (7447-40-7)</td>
<td>Biodegradability in water: no data available. Not established.</td>
</tr>
<tr>
<td>urea (57-13-6) (57-13-6)</td>
<td>Readily biodegradable in water.</td>
</tr>
</tbody>
</table>

#### ammonium sulfate (7783-20-2)

- **TLM fish 1**: 1290 ppm (96 h; Gambusia affinis)

#### Monoammonium Phosphate (7722-76-1)

- **LC50 fish 1**: 155 ppm (96 h; Pimephales promelas)

#### potassium chloride (7447-40-7)

- **LC50 fish 1**: 920 mg/l (96 h; Gambusia affinis; Static system)
- **EC50 Daphnia 1**: 630 mg/l (48 h; Ceriodaphnia dubia)
- **LC50 fish 2**: 2010 mg/l (96 h; Lepomis macrochirus; Static system)
- **EC50 Daphnia 2**: 660 mg/l (48 h; Daphnia magna)
- **Threshold limit algae 1**: 850 mg/l (72 h; Scenedesmus subspicatus)
- **Threshold limit algae 2**: > 100 mg/l (72 h; Scenedesmus subspicatus; GLP)

#### urea (57-13-6) (57-13-6)

- **LC50 fish 1**: > 6810 mg/l (96 h; Leuciscus idus; Nominal concentration)
- **EC50 Daphnia 1**: > 10000 mg/l (48 h; Daphnia magna; Nominal concentration)
- **LC50 fish 2**: 17500 mg/l (96 h; Poecilia reticulata)
- **EC50 Daphnia 2**: > 10000 mg/l (24 h; Daphnia magna)
- **TLM fish 1**: 17500 ppm (96 h; Poecilia reticulata)
- **Threshold limit other aquatic organisms 1**: 120000 mg/l (16 h; Bacteria; Toxicity test)
- **Threshold limit other aquatic organisms 2**: > 10000 mg/l (Pseudomonas putida)
- **Threshold limit algae 1**: > 10000 mg/l (168 h; Scenedesmus quadricauda; Growth rate)
- **Threshold limit algae 2**: 47 mg/l (192 h; Microcystis aeruginosa; Growth rate)

---

### 12.3. Bioaccumulative potential

#### Agropell by Simplot 15-15-15 with 10% Sulfur

<table>
<thead>
<tr>
<th>Substance</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>ammonium sulfate (7783-20-2)</td>
<td>Not established.</td>
</tr>
<tr>
<td>Monoammonium Phosphate (7722-76-1)</td>
<td>Not bioaccumulative. Not established.</td>
</tr>
<tr>
<td>potassium chloride (7447-40-7)</td>
<td>Not bioaccumulative. Not established.</td>
</tr>
</tbody>
</table>

#### ammonium sulfate (7783-20-2)

- **Log Pow**: -5.1

#### Monoammonium Phosphate (7722-76-1)

- **Log Pow**: -0.46 (Estimated value)

---

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Agropell by Simplot 15-15-15 with 10% Sulfur
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<table>
<thead>
<tr>
<th>Wax (Paraffins-petroleum) (64771-72-8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Urea (57-13-6) (57-13-6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCF fish 1</td>
</tr>
<tr>
<td>BCF other aquatic organisms 1</td>
</tr>
<tr>
<td>Log Pow</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects

Effect on the global warming : No known effects from this product.
GWPmix comment : No known effects from this product.

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging 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

Other information : No supplementary information available.

TDG

Transport by sea

Air transport

SECTION 15: Regulatory information

15.1. US Federal regulations

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:

| Wax (Paraffins-petroleum) | CAS No 64771-72-8 | % |

15.2. International regulations

CANADA
No additional information available

EU-Regulations
No additional information available

National regulations
No additional information available

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### 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

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Other information</td>
<td>None.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Full text of H-statements:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>H320</td>
<td>Causes eye irritation</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
</tbody>
</table>

**NFPA health hazard**: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

**NFPA fire hazard**: 0 - Materials that will not burn.

**NFPA reactivity**: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

---

**SDS US (GHS HazCom 2012)**

Disclaimer: This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE INFORMATION HEREIN PROVIDED. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.