# Best Evergreen 18-5-0 Minis + 5% Iron with 0.20% Dimension
## Safety Data Sheet

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

<table>
<thead>
<tr>
<th>1.1. Product identifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product form: Mixture</td>
</tr>
<tr>
<td>Product name: Best Evergreen 18-5-0 Minis + 5% Iron with 0.20% Dimension</td>
</tr>
<tr>
<td>Product code: M786470</td>
</tr>
</tbody>
</table>

| 1.2. Relevant identified uses of the substance or mixture and uses advised against |
| 1.3. Details of the supplier of the safety data sheet |
| JR Simplot Company |
| Boise, ID 83707 |
| T 1-208-336-2110 |

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

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

- **Classification (GHS-US):**
  - Eye Irrit. 2B: H320
  - STOT SE 3: H335

- Full text of H-phrases: see section 16

#### 2.2. Label elements

- **GHS-US labeling:**
  - Hazard pictograms (GHS-US): ![GHS07]
  - 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/vapors/spray, P264 - Wash ... 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 advice/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

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 |
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:
Assure fresh air breathing. 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

Suitable 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

6.1.1. For non-emergency personnel

Emergency procedures:
Evacuate unnecessary personnel.

6.1.2. 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.

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Safety Data Sheet
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<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ammonium sulfate</td>
<td>(CAS No) 7783-20-2</td>
<td></td>
<td>Eye Irrit. 2B, H320</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3, H335</td>
</tr>
<tr>
<td>Monoammonium Phosphate</td>
<td>(CAS No) 7722-76-1</td>
<td></td>
<td>Eye Irrit. 2B, H320</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3, H335</td>
</tr>
<tr>
<td>Iron Oxsulfate</td>
<td></td>
<td></td>
<td>Eye Irrit. 2B, H320</td>
</tr>
<tr>
<td>Sand</td>
<td></td>
<td></td>
<td>STOT SE 3, H335</td>
</tr>
<tr>
<td>Dithiopyr</td>
<td>(CAS No) 97886-45-8</td>
<td></td>
<td>Not classified</td>
</tr>
</tbody>
</table>
### 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 vapor.

#### 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 closed when not in use.

Incompatible products: Strong bases. Strong acids.

Incompatible materials: Sources of ignition. Direct sunlight.

#### 7.3. Specific end use(s)

No additional information available

### 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**: Grey granules.
- **Color**: Gray
- **Odor**: Odorless
- **Odor threshold**: No data available
- **pH**: No data available
- **Relative evaporation rate (butyl acetate=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
- **Solubility**: Soluble. Water: Solubility in water of component(s) of the mixture:
  - **: 77 g/100ml**
  - **: 38 g/100ml**
- **Log Pow**: No data available
- **Log Kow**: No data available
- **Viscosity, kinematic**: No data available
- **Viscosity, dynamic**: No data available
- **Explosive properties**: No data available
- **Oxidizing properties**: No data available
- **Explosive limits**: No data available
Best Evergreen 18-5-0 Minis + 5% Iron with 0.20% Dimension
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### 9.2. Other information
No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity
No additional information available

#### 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

#### Dithiopyr (97886-45-8)

<table>
<thead>
<tr>
<th>Route</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>≥ 5000 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>5000.00000000 mg/kg body weight</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Route</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>2840 mg/kg (Rat)</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>2840.00000000 mg/kg body weight</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Route</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>5750 mg/kg (Rat)</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 7940 mg/kg (Rabbit)</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>5750.00000000 mg/kg body weight</td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation**
- Not classified

**Serious eye damage/irritation**
- Causes eye irritation.

**Respiratory or skin sensitization**
- Not classified

**Germ cell mutagenicity**
- Not classified

**Carcinogenicity**
- Not classified

**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

**Potential Adverse human health effects and symptoms**
- Based on available data, the classification criteria are not met.
SECTION 12: Ecological information

ENVIRONMENTAL HAZARDS: This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwater.

12.1. Toxicity

ammonium sulfate (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)

Monoammonium Phosphate (7722-76-1)
- LC50 fish 1: 155 ppm (96 h; Pimephales promelas)

12.2. Persistence and degradability

Best Evergreen 18-5-0 Minis + 5% Iron with 0.20% Dimension
Persistence and degradability: Not established.

ammonium sulfate (7783-20-2)
Persistence and degradability: Biodegradability in water: no data available. Not established.

Monoammonium Phosphate (7722-76-1)
Persistence and degradability: Biodegradability in water: no data available. Not established.

Iron Oxysulfate
Persistence and degradability: Not established.

Sand
Persistence and degradability: Not established.

12.3. Bioaccumulative potential

Best Evergreen 18-5-0 Minis + 5% Iron with 0.20% Dimension
Bioaccumulative potential: Not established.

ammonium sulfate (7783-20-2)
Log Pow: -5.1
Bioaccumulative potential: Bioaccumulation: not applicable. Not established.

Monoammonium Phosphate (7722-76-1)
Bioaccumulative potential: Not bioaccumulative. Not established.

Iron Oxysulfate
Bioaccumulative potential: Not established.

Sand
Bioaccumulative potential: Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer: No additional information available
Effect on the global warming: No known ecological damage caused by this product.
Other information: Avoid release to the environment.

SECTION 13: Disposal considerations

STORAGE AND DISPOSAL
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Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store this product only in its original container in a dry, cool, secured storage area. SPILL: In case of spill, sweep up product and dispose of material according to "product disposal" directions listed below. PRODUCT DISPOSAL: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, State, or local procedures. EMPTY CONTAINER DISPOSAL: Nonrefillable container. Do not ruse or refill this container. Completely empty bag into application equipment. Offer for recycling, if available. Dispose of empty bags(s) in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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

In accordance with DOT
Not regulated for transport

Additional information
Other information : No supplementary information available.

ADR
Transport document description :

Transport by sea
No additional information available

Air transport
No additional information available

SECTION 15: Regulatory information

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION: Causes moderate eye irritation. Harmful if inhaled. Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequent repeated skin contact while handling the material may cause allergic reaction in some individuals.

15.1. US Federal regulations

All components of this product are listed on the Toxic Substances Control Act (TSCA) inventory except for:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dithiopyr</td>
<td>97886-45-8</td>
<td>0.20%</td>
</tr>
<tr>
<td>Iron Oxysulfate</td>
<td>CAS No</td>
<td>C&gt;=6.00% ; C&lt;=10.00%</td>
</tr>
<tr>
<td>Sand</td>
<td>CAS No</td>
<td>C&gt;=5.00% ; C&lt;=9.00%</td>
</tr>
</tbody>
</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.

Dithiopyr (97886-45-8)
Not listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA
No additional information available

EU-Regulations
No additional information available
**Best Evergreen 18-5-0 Minis + 5% Iron with 0.20% Dimension**

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### Classification according to Regulation (EC) No. 1272/2008 [CLP]

### Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

15.2. National regulations

No additional information available

15.3. US State regulations

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### SECTION 16: Other information

#### Data sources


#### Other information

None.

Full text of H-phrases: see section 16:

<table>
<thead>
<tr>
<th>H-Phrase</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Irrit. 2B</td>
<td>Serious eye damage/eye irritation Category 2B</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity (single exposure) Category 3</td>
</tr>
<tr>
<td>H320</td>
<td>Causes eye irritation</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
</tbody>
</table>

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SDS US (GHS HazCom 2012)

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