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

1.1. Product identifier

Product name: Bonide Triple Super Phosphate 0-45-0
Product code: 969

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

Use of the substance/mixture: Fertilizer

1.3. Details of the supplier of the safety data sheet

Bonide Products, Inc.
6301 Sutliff Road
Oriskany, NY 13424
T (315) 736-8231
www.bonide.com

1.4. Emergency telephone number

Emergency number: CHEMTREC - 1 (800) 424-9300 and/ or 1 (703) 527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US): Not classified

2.2. Label elements

GHS-US labeling: No labeling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Superphosphides, cond.</td>
<td>(CAS No) 65996-95-4</td>
<td>58 - 98</td>
<td>Not classified</td>
</tr>
<tr>
<td>Calcium dihydrogen phosphate</td>
<td>(CAS No) 7758-23-8</td>
<td>0.1 - 15</td>
<td>Not classified</td>
</tr>
<tr>
<td>Calcium hydrogen phosphate</td>
<td>(CAS No) 7757-93-9</td>
<td>0.1 - 15</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

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 person 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

Bonide Triple Super Phosphate 0-45-0
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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. Avoid (reject) fire-fighting water to enter 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.

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 eat, drink or smoke 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: Protect from moisture. Keep container closed when not in use. Store in a dry place. Store in original container.
Incompatible products: Strong bases. strong acids.

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 approved mask.
Other information: When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1.  Information on basic physical and chemical properties
Physical state: Solid
Appearance: Grey to brown granules.
Color: Grey to brown.
Odor: Fertilizer odor.
Odor threshold: No data available
pH: 1% slurry - 3.1-3.2
Relative evaporation rate (butyl acetate=1): No data 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
Extremely high or low temperatures.

#### 10.5. Incompatible materials
Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products
Carbon monoxide. Carbon dioxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects
Acute toxicity : Not classified

**Calcium dihydrogen phosphate (7758-23-8)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>17500 mg/kg (Rat; Literature)</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 2000 mg/kg (Rabbit; Literature)</td>
</tr>
</tbody>
</table>

**Calcium hydrogen phosphate (7757-93-9)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>10000 mg/kg (Rat)</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>7940 mg/kg (Rat)</td>
</tr>
</tbody>
</table>

- **Skin corrosion/irritation**: Not classified
  - pH: 1% slurry - 3.1-3.2
- **Serious eye damage/irritation**: Not classified
  - pH: 1% slurry - 3.1-3.2
- **Respiratory or skin sensitization**: Not classified
- **Germ cell mutagenicity**: Not classified
- **Carcinogenicity**: Not classified
SECTION 12: Ecological information

12.1. Toxicity
No additional information available

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Substance</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bonide Triple Super Phosphate 0-45-0</td>
<td>Not established.</td>
</tr>
<tr>
<td>Calcium dihydrogen phosphate (7758-23-8)</td>
<td>Biodegradability: not applicable.</td>
</tr>
<tr>
<td></td>
<td>Biochemical oxygen demand (BOD)</td>
</tr>
<tr>
<td></td>
<td>Not applicable.</td>
</tr>
<tr>
<td></td>
<td>Chemical oxygen demand (COD)</td>
</tr>
<tr>
<td></td>
<td>Not applicable.</td>
</tr>
<tr>
<td></td>
<td>ThOD</td>
</tr>
<tr>
<td></td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

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<th>Persistence and degradability</th>
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</thead>
<tbody>
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<td>Calcium hydrogen phosphate (7757-93-9)</td>
<td>Biodegradability: not applicable.</td>
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<td>Biochemical oxygen demand (BOD)</td>
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<tr>
<td></td>
<td>ThOD</td>
</tr>
<tr>
<td></td>
<td>Not applicable.</td>
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</tbody>
</table>

12.3. Bioaccumulative potential

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<tr>
<th>Substance</th>
<th>Bioaccumulative potential</th>
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</thead>
<tbody>
<tr>
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<td>Not established.</td>
</tr>
<tr>
<td>Calcium dihydrogen phosphate (7758-23-8)</td>
<td>Bioaccumulative potential</td>
</tr>
<tr>
<td></td>
<td>Bioaccumulative potential</td>
</tr>
<tr>
<td></td>
<td>No bioaccumulation data available.</td>
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</tbody>
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<td>Bioaccumulative potential</td>
</tr>
<tr>
<td></td>
<td>Not bioaccumulative.</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects

Other information: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

<table>
<thead>
<tr>
<th>Waste disposal recommendations</th>
<th>Dispose in a safe manner in accordance with local/national regulations.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecology - waste materials</td>
<td>Avoid release to the environment.</td>
</tr>
</tbody>
</table>

SECTION 14: Transport information

In accordance with DOT
No dangerous good in sense of transport regulations

Additional information

Other information: No supplementary information available.

SECTION 15: Regulatory information

15.1. US Federal regulations

<table>
<thead>
<tr>
<th>Substance</th>
<th>Not listed on the United States TSCA (Toxic Substances Control Act) inventory</th>
</tr>
</thead>
</table>

Revision date: 02/18/2016 EN (English US)
**Bonide Triple Super Phosphate 0-45-0**

Safety Data Sheet

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

<table>
<thead>
<tr>
<th>15.2. International regulations</th>
<th>No additional information available</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.3. US State regulations</td>
<td>No additional information available</td>
</tr>
</tbody>
</table>

**SECTION 16: Other information**

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

SDS US (GHS HazCom 2012) - Pesticides

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.