Bonide Liquid African Violet Plant Food 7-10-7  
Safety Data Sheet  
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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

1.1. Product identifier  
Product name: Bonide Liquid African Violet Plant Food 7-10-7  
Product code: 106

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>Ammonium Polyphosphate</td>
<td>(CAS No) 68333-79-9</td>
<td>27.5</td>
<td>Not classified</td>
</tr>
<tr>
<td>Muriate of Potash</td>
<td>(CAS No) 7447-40-7</td>
<td>11.5</td>
<td>Not classified</td>
</tr>
<tr>
<td>Urea</td>
<td>(CAS No) 57-13-6</td>
<td>9</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
- 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. 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.

6.3. Methods and material for containment and cleaning up
- Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. 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. Do not discharge the waste into the drain.

7.2. Conditions for safe storage, including any incompatibilities
- Storage conditions: Store in original container. Keep container closed when not in use.
- Incompatible materials: Sources of ignition.

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: Liquid
- Appearance: Blue Liquid.
- Color: Blue.
Bonide Liquid African Violet Plant Food 7-10-7
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Odor: Mild Fertilizer.
Odor threshold: No data available
pH: 6 - 6.5
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
Self 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: 1.16
Solubility: Soluble in water.
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

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 under normal conditions.

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

<table>
<thead>
<tr>
<th>Ammonium Polyphosphate (68333-79-9)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>5625 mg/kg (Rat)</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 3160 mg/kg (Rabbit)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Urea (57-13-6)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>8471 mg/kg (Rat)</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 3200 mg/kg (Rat)</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 21000 mg/kg (Rabbit)</td>
</tr>
</tbody>
</table>
# Bonide Liquid African Violet Plant Food 7-10-7

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### Section 11: Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>pH</td>
<td>6 - 6.5</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>pH</td>
<td>6 - 6.5</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>Not classified</td>
</tr>
<tr>
<td>pH</td>
<td>6 - 6.5</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

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 fish 1</th>
<th>EC50 Daphnia 1</th>
<th>LC50 fish 2</th>
<th>EC50 Daphnia 2</th>
<th>TLM fish 1</th>
<th>Threshold limit other aquatic organisms 1</th>
<th>Threshold limit other aquatic organisms 2</th>
<th>Threshold limit algae 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bonide Liquid African Violet Plant Food 7-10-7</td>
<td>&gt; 6810 mg/l (96 h; Leuciscus idus)</td>
<td>&gt; 10000 mg/l (48 h; Daphnia magna)</td>
<td>17500 mg/l (96 h; Poecilia reticulata)</td>
<td>&gt; 10000 mg/l (24 h; Daphnia magna)</td>
<td>17500 ppm (96 h; Poecilia reticulata)</td>
<td>120000 mg/l (16 h; Bacteria; Toxicity test)</td>
<td>&gt; 10000 mg/l (Pseudomonas putida)</td>
<td>&gt; 10000 mg/l (168 h; Scenedesmus quadricauda)</td>
</tr>
</tbody>
</table>

#### 12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Substance</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urea (57-13-6)</td>
<td>Inherently biodegradable. Hydrolysis in water.</td>
</tr>
<tr>
<td>Ammonium Polyphosphate (68333-79-9)</td>
<td>Biodegradability in water: no data available. No (test)data on mobility of the components available.</td>
</tr>
<tr>
<td>Muriate of Potash (7447-40-7)</td>
<td>Biodegradability in water: no data available. No (test)data on mobility of the components available.</td>
</tr>
<tr>
<td>Urea (57-13-6)</td>
<td>Inherently biodegradable. Hydrolysis in water.</td>
</tr>
</tbody>
</table>

#### 12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Substance</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bonide Liquid African Violet Plant Food 7-10-7</td>
<td>Not established.</td>
</tr>
<tr>
<td>Ammonium Polyphosphate (68333-79-9)</td>
<td>No bioaccumulation data available.</td>
</tr>
<tr>
<td>Muriate of Potash (7447-40-7)</td>
<td>No bioaccumulation data available.</td>
</tr>
<tr>
<td>Urea (57-13-6)</td>
<td>BCF fish 1 1 (72 h; Brachydanio rerio; Fresh water)</td>
</tr>
<tr>
<td></td>
<td>BCF other aquatic organisms 1 11700 (Chlorella sp.)</td>
</tr>
<tr>
<td></td>
<td>Log Pow -2.59 - -1.59</td>
</tr>
<tr>
<td></td>
<td>Bioaccumulative potential Bioaccumulation: not applicable.</td>
</tr>
</tbody>
</table>
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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
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
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
Bonide Liquid African Violet Plant Food 7-10-7
Not listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

15.3. US State regulations
No additional information available

SECTION 16: Other information
Other information : None.

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.