SECTION 1: Identification

1.1. Identification
Product form: Mixture
Product name: Plink® Dishwasher Freshener & Rinse Aid

1.2. Recommended use and restrictions on use
Use of the substance/mixture: Dishwasher Freshener & Rinse Aid

1.3. Supplier
Manufacturer: Summit Brands, Pro Products & Summit Outdoors
6714 Pointe Inverness Way Suite 200
Fort Wayne, IN 46804-7935 - USA
T 800-654-0791

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
Skin Irrit. 2
Eye Irrit. 2
Skin Sens. 1

2.2. GHS Label elements, including precautionary statements
GHS US labeling
Hazard pictograms (GHS US): !

Signal word (GHS US): Warning
Hazard statements (GHS US):
- Causes skin irritation
- May cause an allergic skin reaction
- Causes serious eye irritation

Precautionary statements (GHS US):
- Avoid breathing dust/fume.
- Wash hands, forearms and face thoroughly after handling.
- Contaminated work clothing must not be allowed out of the workplace.
- Wear protective gloves/protective clothing/eye protection/face protection.
- If on skin: Wash with plenty of water.
- Take off contaminated clothing and wash it before reuse.
- If skin irritation or rash occurs: Get medical advice/attention.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.
- Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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. Substances
Not applicable
**Plink® Dishwasher Freshener & Rinse Aid**

Safety Data Sheet


### 3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl benzoate</td>
<td>(CAS-No.) 120-51-4</td>
<td>10 - 30</td>
</tr>
<tr>
<td>D-Limonene</td>
<td>(CAS-No.) 5989-27-5</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Citral</td>
<td>(CAS-No.) 5392-40-5</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>(CAS-No.) 13463-67-7</td>
<td>1 - 5</td>
</tr>
<tr>
<td>2,6-Octadien-1-ol, 3,7-dimethyl-, (Z)-</td>
<td>(CAS-No.) 106-25-2</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Citronellol</td>
<td>(CAS-No.) 106-22-9</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Octanal, 2-(phenylmethylene)-</td>
<td>(CAS-No.) 101-86-0</td>
<td>1 - 5</td>
</tr>
<tr>
<td>beta-Pinene</td>
<td>(CAS-No.) 127-91-3</td>
<td>1 - 5</td>
</tr>
<tr>
<td>2,6-Octadienal, 3,7-dimethyl-, (Z)-</td>
<td>(CAS-No.) 106-26-3</td>
<td>1 - 5</td>
</tr>
<tr>
<td>2,6-Octadienal, 3,7-dimethyl-, (E)-</td>
<td>(CAS-No.) 141-27-5</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Geraniol</td>
<td>(CAS-No.) 106-24-1</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Dipentene</td>
<td>(CAS-No.) 138-86-3</td>
<td>&lt; 1</td>
</tr>
</tbody>
</table>

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact: IF ON SKIN: Wash with plenty of Water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.

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. If eye irritation persists: Get medical advice/attention. If contact with eyes occurs: Wash eyes with plenty of water.

First-aid measures after ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell. Do not give anything to an unconscious person.

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

Symptoms/effects after inhalation: May cause irritation to the respiratory tract.

Symptoms/effects after skin contact: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause an allergic skin reaction.

Symptoms/effects after eye contact: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Symptoms/effects after ingestion: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

#### 4.3. Immediate medical attention and special treatment, if necessary

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: None known.

#### 5.2. Specific hazards arising from the chemical

Fire hazard: Products of combustion may include, and are not limited to: oxides of carbon.

#### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

### SECTION 6: Accidental release measures

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

**General measures:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**For non-emergency personnel**

No additional information available

**For emergency responders**

No additional information available
6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment:
- Contain spill, then place in a suitable container. Minimize dust generation. Avoid release to the environment. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up:
- Pick up large pieces, then place in a suitable container. Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling:
- Avoid contact with skin and eyes. Avoid breathing dust, fume. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

Hygiene measures:
- Wash contaminated clothing before reuse. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions:
- Keep out of the reach of children. Store in dry protected location to prevent any moisture contact.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>AIHA</th>
<th>Local name</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Limonene (5989-27-5)</td>
<td>WEEL TWA (ppm)</td>
<td>30 ppm</td>
<td></td>
</tr>
<tr>
<td>Citral (5392-40-5)</td>
<td>ACGIH</td>
<td>ACGIH TWA (ppm)</td>
<td>5 ppm (inhalable fraction and vapor)</td>
</tr>
<tr>
<td>Citronellol (106-22-9)</td>
<td></td>
<td></td>
<td>Not applicable</td>
</tr>
<tr>
<td>Octanal, 2-(phenylmethylene)- (101-86-0)</td>
<td></td>
<td></td>
<td>Not applicable</td>
</tr>
<tr>
<td>2,6-Octadien-1-ol, 3,7-dimethyl-, (Z) (106-25-2)</td>
<td></td>
<td></td>
<td>Not applicable</td>
</tr>
<tr>
<td>.beta.-Pinene (127-91-3)</td>
<td>ACGIH</td>
<td>ACGIH TWA (ppm)</td>
<td>20 ppm (Turpentine and selected monoterpenes)</td>
</tr>
<tr>
<td>2,6-Octadienal, 3,7-dimethyl-, (E) (141-27-5)</td>
<td></td>
<td></td>
<td>Not applicable</td>
</tr>
<tr>
<td>2,6-Octadienal, 3,7-dimethyl-, (Z) (106-26-3)</td>
<td></td>
<td></td>
<td>Not applicable</td>
</tr>
<tr>
<td>Dipentene (138-86-3)</td>
<td></td>
<td></td>
<td>Not applicable</td>
</tr>
<tr>
<td>Benzyl benzoate (120-51-4)</td>
<td></td>
<td></td>
<td>Not applicable</td>
</tr>
<tr>
<td>Geraniol (106-24-1)</td>
<td></td>
<td></td>
<td>Not applicable</td>
</tr>
<tr>
<td>Titanium dioxide (13463-67-7)</td>
<td>ACGIH</td>
<td>Local name</td>
<td>Titanium dioxide</td>
</tr>
<tr>
<td></td>
<td>ACGIH</td>
<td>ACGIH TWA (mg/m³)</td>
<td>10 mg/m³</td>
</tr>
</tbody>
</table>
Titanium dioxide (13463-67-7)

**ACGIH**  |  Regulatory reference  |  ACGIH 2017
---|---|---
**OSHA**  |  OSHA PEL (TWA) (mg/m³)  |  15 mg/m³ (total dust)
**OSHA**  |  Regulatory reference (US-OSHA)  |  OSHA
**IDLH**  |  US IDLH (mg/m³)  |  5000 mg/m³
**NIOSH**  |  NIOSH REL (TWA) (mg/m³)  |  2.4 mg/m³ (CIB 63-fine) 0.3 mg/m³ (CIB 63-ultrafine, including engineered nanoscale)

**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**

**Hand protection:**

Wear suitable gloves resistant to chemical penetration.

**Eye protection:**

Use suitable eye protection.

**Skin and body protection:**

Wear suitable protective clothing.

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Other information:**

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

**SECTION 9: Physical and chemical properties**

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

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Molded plastic</td>
</tr>
<tr>
<td>Color</td>
<td>Yellow</td>
</tr>
<tr>
<td>Odor</td>
<td>Lemon</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not flammable</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C (68 °F)</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Relative density: No data available
Solubility: No data available
Partition coefficient n-octanol/water: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
Explosion limits: No data available
Explosive properties: No data available
Oxidizing properties: No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No dangerous reactions known under normal conditions of use.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid
Heat. Moisture – product must be kept dry until ready to use.

10.5. Incompatible materials
None known.

10.6. Hazardous decomposition products
May include, and are not limited to: oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity (oral) : Not classified.
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

D-Limonene (5989-27-5)
LD50 oral rat 4400 mg/kg
LD50 dermal rabbit > 5 g/kg
ATE US (oral) 4400 mg/kg body weight

Citral (5392-40-5)
LD50 oral rat 4960 mg/kg
LD50 dermal rabbit 2250 mg/kg
ATE US (oral) 4960 mg/kg body weight
ATE US (dermal) 2250 mg/kg body weight

Citronellol (106-22-9)
LD50 oral rat 3450 mg/kg
LD50 dermal rabbit 2650 mg/kg
ATE US (oral) 3450 mg/kg body weight
ATE US (dermal) 2650 mg/kg body weight

Octanal, 2-(phenylmethylene)- (101-86-0)
LD50 oral rat 3100 mg/kg
LD50 dermal rabbit > 3000 mg/kg
LC50 inhalation rat > 5 mg/l/4h
ATE US (oral) 3100 mg/kg body weight
ATE US (vapors) 3 mg/l/4h
### 2,6-Octadien-1-ol, 3,7-dimethyl-, (Z)- (106-25-2)

<table>
<thead>
<tr>
<th>Endpoint Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>4500 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 5 g/kg</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>4500 mg/kg body weight</td>
</tr>
</tbody>
</table>

### .beta.-Pinene (127-91-3)

<table>
<thead>
<tr>
<th>Endpoint Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 5000 mg/kg</td>
</tr>
</tbody>
</table>

### 2,6-Octadienal, 3,7-dimethyl-, (E)- (141-27-5)

<table>
<thead>
<tr>
<th>Endpoint Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>500 mg/kg</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>500 mg/kg body weight</td>
</tr>
</tbody>
</table>

### Dipentene (138-86-3)

<table>
<thead>
<tr>
<th>Endpoint Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>5300 mg/kg</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>5300 mg/kg body weight</td>
</tr>
</tbody>
</table>

### Benzyl benzoate (120-51-4)

<table>
<thead>
<tr>
<th>Endpoint Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>1700 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>4000 mg/kg</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>1700 mg/kg body weight</td>
</tr>
<tr>
<td>ATE US (dermal)</td>
<td>4000 mg/kg body weight</td>
</tr>
</tbody>
</table>

### Geraniol (106-24-1)

<table>
<thead>
<tr>
<th>Endpoint Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>3600 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 5 g/kg</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>3600 mg/kg body weight</td>
</tr>
</tbody>
</table>

### Titanium dioxide (13463-67-7)

<table>
<thead>
<tr>
<th>Endpoint Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 10000 mg/kg</td>
</tr>
</tbody>
</table>

#### Skin corrosion/irritation:
Causes skin irritation.

#### Serious eye damage/irritation:
Causes serious eye irritation.

#### Respiratory or skin sensitization:
May cause an allergic skin reaction.

#### Germ cell mutagenicity:
Not classified

#### Carcinogenicity:
Not classified

### D-Limonene (5989-27-5)

<table>
<thead>
<tr>
<th>Endpoint Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC group</td>
<td>3 - Not classifiable</td>
</tr>
</tbody>
</table>

#### National Toxicology Program (NTP) Status
Evidence of Carcinogenicity

#### Reproductive toxicity:
Not classified

#### STOT-single exposure:
Not classified

#### STOT-repeated exposure:
Not classified

#### Aspiration hazard:
Not classified

#### Viscosity, kinematic:
No data available

#### Symptoms/effects after inhalation:
May cause irritation to the respiratory tract.

#### Symptoms/effects after skin contact:
Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause an allergic skin reaction.

#### Symptoms/effects after eye contact:
Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

#### Symptoms/effects after ingestion:
May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

#### Other information:
Likely routes of exposure: ingestion, inhalation, skin and eye.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general: May cause long-term adverse effects in the aquatic environment.

### D-Limonene (5989-27-5)

<table>
<thead>
<tr>
<th>Endpoint Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>0.619 - 0.796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)</td>
</tr>
</tbody>
</table>
Plink® Dishwasher Freshener & Rinse Aid
Safety Data Sheet

12.2. Persistence and degradability

| Citral (5392-40-5) | EC50 Daphnia 1 | 7 mg/l (Exposure time: 48 h - Species: Daphnia magna) |

12.3. Bioaccumulative potential

| Citral (5392-40-5) | Partition coefficient n-octanol/water | 2.76 (at 25 °C / 77 °F) |

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : No other effects known.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Recycle empty containers where allowed.

SECTION 14: Transport information

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

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.

15.2. International 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

Date of issue : 09/13/2019
Revision date : 09/13/2019
Other information : None.
Prepared by : Nexreg Compliance Inc.
www.Nexreg.com

SDS US (GHS HazCom 2012)_NEXREG_NEW

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user’s responsibility to satisfy oneself as to the suitability and completeness of this information for the user’s own particular use.