

Plink® Dishwasher Freshener & Rinse Aid

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Date of issue: 09/13/2019

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Version: 1.0

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

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3.2. Mixtures

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

*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.
- 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.

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.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

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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

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

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Titanium dioxide (13463-67-7)		
ACGIH	Remark (ACGIH)	LRT irr; A4 (Confirmed Animal Carcinogen with Unknown Relevance to Humans: The agent is carcinogenic in experimental animals at a relatively high dose, by route(s) of administration, at site(s), of histologic type(s), or by mechanism(s) that may not be relevant to worker exposure. Available epidemiologic studies do not confirm an increased risk of cancer in exposed humans. Available evidence does not suggest that the agent is likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure)
ACGIH	Regulatory reference	ACGIH 2017
OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³ (total dust)
OSHA	Regulatory reference (US-OSHA)	OSHA
IDLH	US IDLH (mg/m ³)	5000 mg/m ³
NIOSH	NIOSH REL (TWA) (mg/m ³)	2.4 mg/m ³ (CIB 63-fine) 0.3 mg/m ³ (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

Physical state : Solid
Appearance : Molded plastic
Color : Yellow
Odor : Lemon
Odor threshold : No data available
pH : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Relative evaporation rate (butyl acetate=1) : No data available
Flammability (solid, gas) : Not flammable
Vapor pressure : No data available
Relative vapor density at 20 °C (68 °F) : No data available

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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

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2,6-Octadien-1-ol, 3,7-dimethyl-, (Z)- (106-25-2)	
LD50 oral rat	4500 mg/kg
LD50 dermal rabbit	> 5 g/kg
ATE US (oral)	4500 mg/kg body weight
.beta.-Pinene (127-91-3)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
2,6-Octadienal, 3,7-dimethyl-, (E)- (141-27-5)	
LD50 oral rat	500 mg/kg
ATE US (oral)	500 mg/kg body weight
Dipentene (138-86-3)	
LD50 oral rat	5300 mg/kg
ATE US (oral)	5300 mg/kg body weight
Benzyl benzoate (120-51-4)	
LD50 oral rat	1700 mg/kg
LD50 dermal rabbit	4000 mg/kg
ATE US (oral)	1700 mg/kg body weight
ATE US (dermal)	4000 mg/kg body weight
Geraniol (106-24-1)	
LD50 oral rat	3600 mg/kg
LD50 dermal rabbit	> 5 g/kg
ATE US (oral)	3600 mg/kg body weight
Titanium dioxide (13463-67-7)	
LD50 oral rat	> 10000 mg/kg

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)	
IARC group	3 - Not classifiable
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.
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D-Limonene (5989-27-5)	
LC50 fish 1	0.619 - 0.796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)

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

12.2. Persistence and degradability

Plink® Dishwasher Freshener & Rinse Aid	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Plink® Dishwasher Freshener & Rinse Aid	
Bioaccumulative potential	Not established.

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

Benzyl benzoate (120-51-4)	
Partition coefficient n-octanol/water	4

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
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Other information : None.
Prepared by : Nexreg Compliance Inc.
www.Nexreg.com



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