

SAFETY DATA SHEET

1. Product and Company Identification

Product identifier PLINK Lemon
Other means of identification Not available.
Recommended use Freshener
Recommended restrictions None known.

Manufacturer information Iron Out dba Summit Brands

7201 Engle Road

Fort Wayne, IN 46804-5875 US

Phone: 260-483-2519

Emergency Phone: 1-800-424-9300 (CHEMTREC)

2. Hazards Identification

Physical hazardsFlammable liquidsCategory 3Health hazardsSkin corrosion/irritationCategory 2Sensitization, skinCategory 1

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements



Signal word Warning

Hazard statement Causes skin irritation.

May cause an allergic skin reaction. Flammable liquid and vapor.

Precautionary statement

Prevention Avoid breathing mist or vapor. Wash thoroughly after handling. Wear protective gloves.

Contaminated work clothing must not be allowed out of the workplace.

Response In case of fire: Use appropriate media to extinguish.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see this label).

Wash contaminated clothing before reuse.

Storage Store in a well-ventilated place. Keep cool.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise

classified (HNOC)

None known.

Supplemental information

Not applicable.

3. Composition/Information on Ingredients

Mixture

Skin contact

Chemical name	Common name and synonyms	CAS number	%
d-Limonene		5989-27-5	60-100
Oils, eucalyptus		8000-48-4	0.1-1

Composition commentsUS GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

4. First Aid Measures

Inhalation If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.

Specific treatment (see product label). Wash contaminated clothing before reuse.

Eye contact Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain

medical attention if irritation persists.

Ingestion

Rinse mouth. Do not induce vomiting. If ingestion of a large amount does occur, call a poison control center immediately. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

Most important symptoms/effects, acute and

delayed

Skin irritation. May cause an allergic skin reaction. Dermatitis. Rash. May cause redness and pain.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. Keep away from sources of ignition. No smoking. Avoid contact with eyes and skin. Keep out of reach of children. Wear suitable protective clothing.

5. Fire Fighting Measures

Suitable extinguishing media

Unsuitable extinguishing

media

Specific hazards arising from the chemical

Special protective equipment and precautions for firefighters

Fire-fighting equipment/instructions

Specific methods

General fire hazards **Hazardous combustion**

products

Explosion data

Sensitivity to mechanical impact

Sensitivity to static

discharge

Carbon dioxide. Foam. Dry chemical.

Do not use water jet as an extinguisher, as this will spread the fire.

During fire, gases hazardous to health may be formed. Firefighters should wear a self-contained breathing apparatus.

Firefighters should wear full protective clothing including self contained breathing apparatus. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Move containers from fire area if you can do so without risk.

Use standard firefighting procedures and consider the hazards of other involved materials.

Flammable liquid and vapor.

May include and are not limited to: Oxides of carbon.

Not available.

Not available.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep out of low areas. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapors or mists. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. Stop the flow of material, if this is without risk. Pick up and discard. Prevent entry into waterways,

Methods and materials for containment and cleaning up **Environmental precautions**

sewer, basements or confined areas. Avoid discharge into drains, water courses or onto the ground.

7. Handling and Storage

Precautions for safe handling

Use only with adequate ventilation. Avoid contact with skin. Avoid contact with eyes. Avoid prolonged exposure. Avoid contact with clothing. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using do not eat or drink. Wash thoroughly after handling. Use care in handling/storage. Avoid prolonged or repeated skin contact with this material. Avoid breathing vapors or mists of this product.

Conditions for safe storage, including any incompatibilities KEEP OUT OF REACH OF CHILDREN.

Keep away from heat and flame. Store in a closed container away from incompatible materials. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure Controls/Personal Protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Туре	Value	Form
Glycerol (CAS 56-81-5)	PEL	5 mg/m3 15 mg/m3	Respirable fraction. Total dust.

#23701 Page: 2 of 8 Issue date 22-February-2016 **US. ACGIH Threshold Limit Values**

Form Components Value **Type** Paraffin wax (CAS **TWA** 2 mg/m3 Fume. 8002-74-2)

US. NIOSH: Pocket Guide to Chemical Hazards

Components Value **Form Type** Paraffin wax (CAS **TWA** 2 mg/m3 Fume

8002-74-2)

US. AIHA Workplace Environmental Exposure Level (WEEL) Guides

Components **Type** Value **Form TWA** 1,2-Propanediol (CAS 10 mg/m3 Aerosol. 57-55-6) **TWA** d-Limonene (CAS 165.5 mg/m3 5989-27-5) 30 ppm

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering

controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Follow standard industrial hygiene practices. Eye/face protection

Skin protection

Hand protection Wear protective gloves.

Other Wear appropriate chemical resistant clothing. As required by employer code.

Respiratory protection Wear positive pressure self-contained breathing apparatus (SCBA). Where exposure guideline

levels may be exceeded, use an approved NIOSH respirator.

Thermal hazards Not applicable.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace. Wash hands before breaks and immediately after handling the product.

9. Physical and Chemical Properties

Solid. Appearance Solid. **Physical state** Beads **Form** Hazy yellow Color Odor Lemon Odor threshold Not available. pН Not available. Melting point/freezing point Not available. Not available. Initial boiling point and boiling

range

Not available. Pour point Specific gravity Not available. **Partition coefficient** Not available.

(n-octanol/water)

111.0 - 115.0 °F (43.9 - 46.1 °C) Setaflash Flash point

Evaporation rate Not available. Flammability (solid, gas) Not applicable. Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

Not available.

Flammability limit - upper

Not available.

Explosive limit - lower (%) Not available. Not available Explosive limit - upper (%)

#23701 Page: 3 of 8 Issue date 22-February-2016 Vapor pressureNot available.Vapor densityNot available.Relative densityNot available.Solubility(ies)Not available.Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.

10. Stability and Reactivity

Reactivity This product may react with strong oxidizing agents.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Chemical stability Stable under recommended storage conditions.

Conditions to avoid Avoid high temperatures. Do not mix with other chemicals.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition

products

May include and are not limited to: Oxides of carbon.

11. Toxicological Information

Routes of exposure Eye, Skin contact, Inhalation, Ingestion.

Information on likely routes of exposure

IngestionExpected to be a low ingestion hazard.InhalationProlonged inhalation may be harmful.

Skin contactCauses skin irritation. May cause an allergic skin reaction. **Eye contact**Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics

May cause an allergic skin reaction. Skin irritation. May cause redness and pain. Dermatitis.

Rash.

Information on toxicological effects

Acute toxicity May cause an allergic skin reaction.

Components Species Test Results

1,2-Propanediol (CAS 57-55-6)

Acute

Dermal

LD50 Rabbit 20800 mg/kg

Inhalation

LC50 Not available

Oral

LD50 Dog 19000 mg/kg

 Guinea pig
 184000 mg/kg

 Mouse
 23900 mg/kg

 Rabbit
 14800 mg/kg

 Rat
 20000 mg/kg

d-Limonene (CAS 5989-27-5)

Acute

Dermal

LD50 Rabbit > 5000 mg/kg

Inhalation

LC50 Not available

Oral

LD50 Mouse 5600 mg/kg

Rat 4400 mg/kg

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Test Results Components **Species**

Oils, eucalyptus (CAS 8000-48-4)

Acute

Dermal

LD50 Rabbit 2480 mg/kg

Inhalation

LC50 Not available

Oral

LD50 Rat 2480 mg/kg

Skin corrosion/irritation Causes skin irritation.

Exposure minutes Not available. Not available. Erythema value Not available. Oedema value

Serious eye damage/eye

irritation

Direct contact with eyes may cause temporary irritation.

Not available. Corneal opacity value Not available. Iris lesion value Not available. Conjunctival reddening value

Conjunctival oedema value Not available. Recover days Not available.

Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization May cause an allergic skin reaction. Prolonged or repeated exposure can cause drying, defatting

and dermatitis

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Mutagenicity No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Non-hazardous by WHMIS/OSHA criteria.

IARC Monographs. Overall Evaluation of Carcinogenicity

d-Limonene (CAS 5989-27-5) Volume 73 - 3 Not classifiable as to carcinogenicity to humans.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

This product is not expected to cause reproductive or developmental effects. Reproductive toxicity

Teratogenicity Non-hazardous by WHMIS/OSHA criteria.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

Aspiration hazard

Not available.

Chronic effects Prolonged inhalation may be harmful.

Not available. **Further information** Not available. Name of Toxicologically **Synergistic Products**

12. Ecological Information

See below **Ecotoxicity Ecotoxicological data Test Results** Components **Species** 1,2-Propanediol (CAS 57-55-6) Crustacea EC50 Daphnia 10000 mg/L, 48 Hours Aquatic Crustacea EC50 Water flea (Daphnia magna) > 10000 mg/L, 48 hours Fish LC50 Fathead minnow (Pimephales promelas) 710 mg/L, 96 hours

#23701 Page: 5 of 8 Issue date 22-February-2016 Components Species Test Results

d-Limonene (CAS 5989-27-5)

Aquatic

Crustacea EC50 Water flea (Daphnia pulex) 69.6 mg/L, 48 hours

Fish LC50 Fathead minnow (Pimephales promelas) 0.619 - 0.796 mg/L, 96 hours

Glycerol (CAS 56-81-5)

Aquatic

Fish LC50 Rainbow trout, donaldson trout 51000 - 57000 mg/L, 96 hours

(Oncorhynchus mykiss)

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potentialNo data available.Mobility in soilNo data available.Mobility in generalNot available.

Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal Considerations

Disposal instructionsCollect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of

contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

product residues. This material and its container must be disposed of in a safe manner (see

Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is

emptied.

14. Transport Information

General DOT - 49 CFR 173.150 (f) - Combustible Liquid Exemption

Canada: TDG Proof of Classification: In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue. If applicable, the technical name and the classification of

the product will appear below.

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)

Basic shipping requirements:

UN number UN1993

Proper shipping name FLAMMABLE LIQUID, N.O.S.

Technical name d-Limonene

Hazard class 3
Packing group III
Special provisions 16

Packaging exceptions <5L - Limited Quantity

IATA/ICAO (Air)

Basic shipping requirements:

UN number UN1993

Proper shipping name Flammable liquid, n.o.s.

Technical name d-Limonene

Hazard class 3
Packing group III
<10L - Limited Quantity

ERG code 3L

IMDG (Marine Transport)

Basic shipping requirements:

UN number UN1993

Proper shipping name FLAMMABLE LIQUID, N.O.S.

Technical name d-Limonene

Hazard class 3

Packing group

EmS F-E, S-E

<5L - Limited Quantity

IATA; IMDG; TDG



15. Regulatory Information

Canadian federal regulations

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

Canada NPRI VOCs with Additional Reporting Requirements: Listed substance/Identification Number

d-Limonene (CAS 5989-27-5) Listed.

Canada WHMIS Ingredient Disclosure: Listed substance

1,2-Propanediol (CAS 57-55-6) Listed. d-Limonene (CAS 5989-27-5) Listed.

WHMIS status Controlled

WHMIS classification Class B - Division 3 - Combustible Liquid, Class D - Division 2B

WHMIS labeling





US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely

hazardous substance

SARA 311/312 Hazardous

chemical

No

No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

(SDWA)

Not regulated.

Food and Drug

Administration (FDA)

Not regulated.

US state regulations See below

US - Minnesota Haz Subs: Listed substance

1.2-Propanediol (CAS 57-55-6)

Glycerol (CAS 56-81-5)

Paraffin wax (CAS 8002-74-2)

US - New Jersey RTK - Substances: Listed substance

1,2-Propanediol (CAS 57-55-6)

Glycerol (CAS 56-81-5)

Paraffin wax (CAS 8002-74-2)

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. Massachusetts RTK - Substance List

Glycerol (CAS 56-81-5)

Paraffin wax (CAS 8002-74-2)

US. Pennsylvania RTK - Hazardous Substances

1,2-Propanediol (CAS 57-55-6)

Glycerol (CAS 56-81-5)

Paraffin wax (CAS 8002-74-2)

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Inventory status

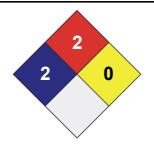
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

^{*}A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0





Disclaimer

The data contained in this material safety data sheet was obtained from sources that were technically accurate, reliable, and state of the art when this document was prepared. If data was unavailable to complete certain sections, the absence of that data is identified in this document. Because the supplier cannot know the exact circumstances during actual use of this product, other hazards, exposure scenarios, disposal considerations, and regulations may apply and it is the responsibility of the user to read and understand the product label and this document before use. Do not use the product for purposes other than those stated in Section 1.

Issue date 22-February-2016 Effective date 22-February-2016

22-February-2019 **Expiry date Further information** For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document. Prepared by Dell Tech Laboratories, Ltd. Phone: (519) 858-5021 Other information This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard (HCS) adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS). Redbook revision #5, 2/8/16

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