

# SAFETY DATA SHEET



## 1. Identification

Product identifier	LIME FREEZE	
Other means of identification		
Product code	LimeFreeze	
Recommended use	Not available.	
Recommended restrictions	None known.	
Manufacturer/Importer/Supplier/Distributor information		
Manufacturer		
Company name	Rustic Escentuals	
Address	1050 Canaan Road Roebuck, SC 29376 United States	
Telephone	Main	864-582-9335
	Toll free	864-582-9334
Website	RusticEscentuals.com	
E-mail	TechSupport@RusticEscentuals.com	
Emergency phone number	Infotrac (US & Canada)	1-800-535-5053
	Infotrac (International)	1-352-323-3500

## 2. Hazard(s) identification

Physical hazards	Not classified.	
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2
	Sensitization, skin	Category 1
	Reproductive toxicity	Category 2
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 2
OSHA defined hazards	Not classified.	
Label elements		



Signal word	Warning
Hazard statement	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statement	
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing mist or vapor. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear eye protection/face protection. Wear protective gloves/protective clothing/eye protection/face protection.
Response	If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Collect spillage.
Storage	Store locked up.

Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	80.32% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 81.25% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	CAS number	%
dl-Citronellol	106-22-9	3 - < 5*
Linalool	78-70-6	3 - < 5*
Linalyl acetate	115-95-7	3 - < 5*
1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one	1506-02-1	1 - < 3*
Hydrocarbons, terpene processing by-products	68956-56-9	1 - < 3*
Lime oil	8008-26-2	1 - < 3*
Orange sweet, Valencia oil	8008-57-9	1 - < 3*
Tricyclodecanyl acetate	5413-60-5	1 - < 3*
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone	54464-57-2	< 1*
2-Methyl-3-(p-isopropylphenyl)propionaldehyde	103-95-7	< 1*
3 and 4-(4-Hydroxy-4-methylpentyl)-3-cyclohexene-1-carboxaldehyde	31906-04-4	< 1*
alpha-Methyl-1,3-benzodioxole-5-propionaldehyde	1205-17-0	< 1*
Citral	5392-40-5	< 1*
Geraniol	106-24-1	< 1*
Geranyl acetate	105-87-3	< 1*
Hydroxycitronellal	107-75-5	< 1*
Vanillin	121-33-5	< 1*
10-Undecenal	112-45-8	< 0.3*
Diethyl phthalate	84-66-2	< 0.3*
Lemon Terpenes	68917-33-9	< 0.3*
Nerol	106-25-2	< 0.3*
alpha-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one	43052-87-5	< 0.2*
Benzyl benzoate	120-51-4	< 0.2*
Lemon oil	8008-56-8	< 0.2*
Petitgrain oil	8014-17-3	< 0.2*
p-tert-Butyldihydrocinnamaldehyde	18127-01-0	< 0.2*
alpha-Pinene	80-56-8	< 0.1*
Butylated hydroxytoluene	128-37-0	< 0.1*
Denatured alcohol SD-39c	64-17-5	< 0.1*
Diphenyl ether	101-84-8	< 0.1*
Other components below reportable levels		70 - < 80

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## 4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.
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	IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

## 5. Fire-fighting measures

Suitable extinguishing media	Powder. Foam. Carbon dioxide (CO <sub>2</sub> ).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water.  Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
Environmental precautions	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.  Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

## 7. Handling and storage

Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Provide adequate ventilation. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. Store in original tightly closed container. 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	Type	Value	Form
Denatured alcohol SD-39c (CAS 64-17-5)	PEL	1900 mg/m <sup>3</sup>	
Diphenyl ether (CAS 101-84-8)	PEL	1000 ppm 7 mg/m <sup>3</sup>	Vapor.
		1 ppm	Vapor.

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
alpha-Pinene (CAS 80-56-8)	TWA	20 ppm	
Butylated hydroxytoluene (CAS 128-37-0)	TWA	2 mg/m <sup>3</sup>	Inhalable fraction and vapor.
Citral (CAS 5392-40-5)	TWA	5 ppm	Inhalable fraction and vapor.
Denatured alcohol SD-39c (CAS 64-17-5)	STEL	1000 ppm	
Diethyl phthalate (CAS 84-66-2)	TWA	5 mg/m <sup>3</sup>	
Diphenyl ether (CAS 101-84-8)	STEL	2 ppm	Vapor.
	TWA	1 ppm	Vapor.

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Butylated hydroxytoluene (CAS 128-37-0)	TWA	10 mg/m <sup>3</sup>	
Denatured alcohol SD-39c (CAS 64-17-5)	TWA	1900 mg/m <sup>3</sup>	
Diethyl phthalate (CAS 84-66-2)	TWA	1000 ppm 5 mg/m <sup>3</sup>	
Diphenyl ether (CAS 101-84-8)	TWA	7 mg/m <sup>3</sup>	Vapor.
		1 ppm	Vapor.

#### US. Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value
Vanillin (CAS 121-33-5)	TWA	10 mg/m <sup>3</sup>

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

### Exposure guidelines

#### US ACGIH Threshold Limit Values: Skin designation

Citral (CAS 5392-40-5)

Can be absorbed through the skin.

### 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. Eye wash facilities and emergency shower must be available when handling this product.

### Individual protection measures, such as personal protective equipment

Eye/face protection	Chemical respirator with organic vapor cartridge and full facepiece.
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Respiratory protection	Chemical respirator with organic vapor cartridge and full facepiece.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.

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.

## 9. Physical and chemical properties

### Appearance

Physical state                      Liquid.  
Form                                      Liquid.  
Color                                      Not available.

Odor                                      Not available.

Odor threshold                      Not available.

pH                                        Not available.

Melting point/freezing point      -90.04 °F (-67.8 °C) estimated

Initial boiling point and boiling range      Not available.

Flash point                              > 212.0 °F (> 100.0 °C)

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.

Explosive limit - upper (%)            Not available.

Vapor pressure                        0.0001 hPa estimated

Vapor density                        Not available.

Relative density                        Not available.

### Solubility(ies)

Solubility (water)                      NO

Partition coefficient (n-octanol/water)      Not available.

Auto-ignition temperature            710 °F (376.67 °C) estimated

Decomposition temperature            Not available.

Viscosity                                Not available.

### Other information

Density                                7.66 lbs/gal estimated

Explosive properties                    Not explosive.

Oxidizing properties                    Not oxidizing.

Refractive index                        1.4545 - 1.4595

Specific gravity                        0.91 - 0.95

## 10. Stability and reactivity

Reactivity                              The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability                      Material is stable under normal conditions.

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

Conditions to avoid                    Contact with incompatible materials.

Incompatible materials                Strong oxidizing agents.

Hazardous decomposition products      No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.
Ingestion	Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

### Information on toxicological effects

Acute toxicity May cause an allergic skin reaction.

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye irritation.

### Respiratory or skin sensitization

#### ACGIH Sensitization

alpha-Pinene (CAS 80-56-8)

Citral (CAS 5392-40-5)

Dermal sensitization

Dermal sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization May cause an allergic skin reaction.

Germ cell 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.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Butylated hydroxytoluene (CAS 128-37-0)

3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity Suspected of damaging fertility or the unborn child.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful.

## 12. Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

Components	Species	Test Results
2-Methyl-3-(p-isopropylphenyl)propionaldehyde (CAS 103-95-7)		
3 and 4-(4-Hydroxy-4-methylpentyl)-3-cyclohexene-1-carboxaldehyde (CAS 31906-04-4)		
Diethyl phthalate (CAS 84-66-2)		
Aquatic		
Crustacea	EC50	Water flea (Daphnia magna) 86 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss) 12 mg/l, 96 hours
Diphenyl ether (CAS 101-84-8)		
Aquatic		
Fish	LC50	Sheepshead minnow (Cyprinodon variegatus) 1.8 - 3.2 mg/l, 96 hours
Hydroxycitronellal (CAS 107-75-5)		
Lemon oil (CAS 8008-56-8)		
Lime oil (CAS 8008-26-2)		

Components	Species	Test Results
Petitgrain oil (CAS 8014-17-3)		

\* Estimates for product may be based on additional component data not shown.

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

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)	
alpha-Pinene	4.83
Benzyl benzoate	3.97
Denatured alcohol SD-39c	-0.31
Diethyl phthalate	2.47
Diphenyl ether	4.21
Linalool	2.97
Vanillin	1.37

Mobility in soil No data 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 instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. 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: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transport information

DOT Not regulated as dangerous goods.

IATA Not regulated as dangerous goods.

IMDG Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

### 15. Regulatory information

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) Diethyl phthalate (CAS 84-66-2) Listed.

SARA 304 Emergency release notification Not regulated.

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 - No  
    Pressure Hazard - No  
    Reactivity Hazard - No

SARA 302 Extremely hazardous substance  
Not listed.

SARA 311/312 Hazardous chemical            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.

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)  
Not listed.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Diethyl phthalate (CAS 84-66-2)

US. Massachusetts RTK - Substance List

alpha-Pinene (CAS 80-56-8)

Butylated hydroxytoluene (CAS 128-37-0)

Denatured alcohol SD-39c (CAS 64-17-5)

Diethyl phthalate (CAS 84-66-2)

Diphenyl ether (CAS 101-84-8)

US. New Jersey Worker and Community Right-to-Know Act

alpha-Pinene (CAS 80-56-8)

Butylated hydroxytoluene (CAS 128-37-0)

Denatured alcohol SD-39c (CAS 64-17-5)

Diethyl phthalate (CAS 84-66-2)

Diphenyl ether (CAS 101-84-8)

US. Pennsylvania Worker and Community Right-to-Know Law

alpha-Pinene (CAS 80-56-8)

Butylated hydroxytoluene (CAS 128-37-0)

Denatured alcohol SD-39c (CAS 64-17-5)

Diethyl phthalate (CAS 84-66-2)

Diphenyl ether (CAS 101-84-8)

US. Rhode Island RTK

Diethyl phthalate (CAS 84-66-2)

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.

International Inventories

Country(s) or region	Inventory name	On inventory or exempt (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes



Country(s) or region	Inventory name	On inventory or exempt (yes/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)  
A "No" indicates that one or more components of the product are not listed on the inventory administered by the governing country(s).

### 16. Other information, including date of preparation or last revision

Issue date	04-15-2016
Version #	01
HMIS® ratings	Health: 2 Flammability: 0 Physical hazard: 0 Personal protection: B

NFPA ratings	Health: 2 Flammability: 0 Instability: 0
--------------	--

NFPA ratings



Disclaimer

Rustic Escentuals cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.