



# Coconut Lime Verbena

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Coconut Lime Verbena

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Perfume ingredient. Not for use in food or feed.

#### 1.3. Supplier

AAA Candle Supplies, Inc.  
10460 Brockwood Rd  
Dallas, Texas 75238  
T (214) 342-9898  
[www.AAACandleSupply.com](http://www.AAACandleSupply.com)

#### 1.4. Emergency telephone number

No additional information available

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

|                                |      |  |
|--------------------------------|------|--|
| Flammable liquids Category 3   | H226 | Flammable liquid and vapor.                  |
| Skin sensitization, Category 1 | H317 | May cause an allergic skin reaction          |
| Aspiration hazard Category 1   | H304 | May be fatal if swallowed and enters airways |

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

Flammable liquid and vapor.  
May be fatal if swallowed and enters airways  
May cause an allergic skin reaction

Precautionary statements (GHS US) :

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep container tightly closed.  
Ground and bond container and receiving equipment  
Use explosion-proof equipment  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Avoid breathing mist, vapors and spray.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear protective gloves, protective clothing, eye and face protection  
If swallowed: Immediately call a poison center or doctor.  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
Specific treatment (see supplemental first aid instruction on this label).  
Do NOT induce vomiting.  
If skin irritation or rash occurs: Get medical attention.  
Wash contaminated clothing before reuse.  
In case of fire: Use media other than water to extinguish.  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents and container in accordance with applicable regulations.

#### 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  | %*     | GHS US classification   |
|---------------------------|---------------------|--------|---|
| D-Limonene                | (CAS-No.) 5989-27-5 | 5 - 20 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304  |
| Ethyl maltol              | (CAS-No.) 4940-11-8 | < 5    | Acute Tox. 4 (Oral), H302   |
| camphene                  | (CAS-No.) 79-92-5   | < 5    | Flam. Liq. 3, H226<br>Flam. Sol. 2, H228<br>Eye Irrit. 2B, H320   |
| citral, isomer mixture    | (CAS-No.) 5392-40-5 | < 5    | Flam. Liq. 4, H227<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Skin Sens. 1, H317  |
| Lemongrass Oil, Rectified | (CAS-No.) 8007-02-1 | < 5    | Flam. Liq. 4, H227<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>STOT SE 3, H335<br>Asp. Tox. 1, H304<br>Aquatic Acute 2, H401<br>Aquatic Chronic 2, H411 |

\*Exact concentrations have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

- First-aid measures general : Call a physician immediately.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Rinse skin with water or shower. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical attention.
- First-aid measures after eye contact : Rinse eyes with water as a precaution.
- First-aid measures after ingestion : Do not induce vomiting. Call a physician immediately.

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

- Symptoms/effects after skin contact : May cause an allergic skin reaction.
- Symptoms/effects after ingestion : Risk of lung edema.

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

Treat symptomatically.

## SECTION 5: Fire-fighting measures

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

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Specific hazards arising from the chemical

- Fire hazard : Flammable liquid and vapor.
- Reactivity : Flammable liquid and vapor.

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

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing mist, vapors and spray.

#### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
- Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing mist, vapors and spray.
- Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ground and bond container and receiving equipment.
- Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### citral, isomer mixture (5392-40-5)

| ACGIH | ACGIH TWA (ppm) | 5 ppm (Citral; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction and vapor) |
|-------|-----------------|--|
|       |                 |  |

#### 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 : Protective gloves
- Eye protection : Safety glasses
- Skin and body protection : Wear suitable protective clothing
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

### SECTION 9: Physical and chemical properties

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

- Physical state : Liquid
- Color : Light red
- Odor : Characteristic – Coconut Lime Verbena
- 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 : > 118 °F
- Relative evaporation rate (butyl acetate=1) : No data available
- Flammability (solid, gas) : Not applicable.
- Vapor pressure : No data available
- Relative vapor density at 20 °C : No data available
- Specific gravity : No data available
- Relative density : No data available
- Solubility : Insoluble in water. Soluble in oil. Soluble in organic solvents.
- Log Pow : No data available
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Viscosity, kinematic : < 100 mm<sup>2</sup>/s
- Viscosity, dynamic : < 100 cP
- Explosion limits : No data available
- Explosive properties : No data available
- Oxidizing properties : No data available

#### 9.2. Other information

No additional information available

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Flammable liquid and vapor.

#### 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

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### 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

| <b>camphene (79-92-5)</b> |                       |
|---------------------------|-----------------------|
| LD50 oral rat             | > 5000 mg/kg (Rat)    |
| LD50 dermal rabbit        | > 2500 mg/kg (Rabbit) |

| <b>citral, isomer mixture (5392-40-5)</b> |                        |
|---|------------------------|
| LD50 oral rat                             | 4960 mg/kg (Rat)       |
| LD50 dermal rat                           | > 2000 mg/kg (Rat)     |
| LD50 dermal rabbit                        | 2250 mg/kg (Rabbit)    |
| ATE US (oral)                             | 4960 mg/kg body weight |
| ATE US (dermal)                           | 2250 mg/kg body weight |

| <b>D-Limonene (5989-27-5)</b> |   |
|-------------------------------|---|
| LD50 oral rat                 | 4400 mg/kg body weight (Rat; OECD 423: Acute Oral Toxicity – Acute Toxic Class Method; Literature study; > 2000 mg/kg bodyweight; Rat; Read-across) |
| LD50 dermal rabbit            | > 5000 mg/kg body weight (Rabbit; Weight of evidence; Equivalent or similar to OECD 402)  |
| ATE US (oral)                 | 4400 mg/kg body weight  |

| <b>Lemongrass Oil, Rectified (8007-02-1)</b> |                        |
|--|------------------------|
| ATE US (dermal)                              | 3103 mg/kg body weight |

| <b>Ethyl maltol (4940-11-8)</b> |                        |
|---------------------------------|------------------------|
| LD50 oral rat                   | 1150 mg/kg (Rat)       |
| LD50 dermal rabbit              | > 5000 mg/kg (Rabbit)  |
| ATE US (oral)                   | 1150 mg/kg body weight |

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitization : May cause an allergic skin reaction.  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified

| <b>D-Limonene (5989-27-5)</b> |                      |
|-------------------------------|----------------------|
| IARC group                    | 3 - Not classifiable |

Reproductive toxicity : Not classified  
STOT-single exposure : Not classified

| <b>Lemongrass Oil, Rectified (8007-02-1)</b> |                                   |
|--|-----------------------------------|
| STOT-single exposure                         | May cause respiratory irritation. |

STOT-repeated exposure : Not classified  
Aspiration hazard : May be fatal if swallowed and enters airways.  
Viscosity, kinematic : < 100 mm<sup>2</sup>/s  
Symptoms/effects after skin contact : May cause an allergic skin reaction.  
Symptoms/effects after ingestion : Risk of lung edema.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

| <b>camphene (79-92-5)</b>                 |  |
|---|--|
| LC50 fish 1                               | 0.72 mg/l (LC50; 96 h)   |
| EC50 other aquatic organisms 1            | > 1000 mg/l (3 h; Activated sludge)  |
| EC50 Daphnia 2                            | 22 mg/l (EC50; 48 h)   |
| <b>citral, isomer mixture (5392-40-5)</b> |  |
| LC50 fish 1                               | 4.6 - 10 mg/l (LC50; 96 h)   |
| EC50 Daphnia 1                            | 7 mg/l (EC50; 48 h)  |
| Threshold limit algae 1                   | 16 mg/l (EC50; 72 h)   |
| <b>D-Limonene (5989-27-5)</b>             |  |
| LC50 fish 1                               | 720 µg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Pimephales promelas; Flow-through system; Fresh water; Experimental value)  |
| EC50 Daphnia 1                            | 0.36 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilization Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value) |
| Threshold limit algae 1                   | 150 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Desmodesmus subspicatus; Static system; Fresh water; Read-across)        |

#### 12.2. Persistence and degradability

| <b>camphene (79-92-5)</b>                 |  |
|---|--|
| Persistence and degradability             | Not readily biodegradable in water.  |
| <b>citral, isomer mixture (5392-40-5)</b> |  |
| Persistence and degradability             | Readily biodegradable in water. Forming sediments in water. Ozonation in the air. Photodegradation in the air. |
| Biochemical oxygen demand (BOD)           | 0.556 g O <sub>2</sub> /g substance  |
| Chemical oxygen demand (COD)              | 1.99 g O <sub>2</sub> /g substance   |
| ThOD                                      | 2.84 g O <sub>2</sub> /g substance   |
| <b>D-Limonene (5989-27-5)</b>             |  |
| Persistence and degradability             | Readily biodegradable in water. Forming sediments in water. Adsorbs into the soil.                             |
| ThOD                                      | 3.29 g O <sub>2</sub> /g substance   |
| <b>Ethyl maltol (4940-11-8)</b>           |  |
| Persistence and degradability             | Biodegradability in water: no data available.  |

#### 12.3. Bioaccumulative potential

| <b>camphene (79-92-5)</b>                 |  |
|---|--|
| BCF fish 1                                | 432 - 1290 (BCF)   |
| Log Pow                                   | 4.02   |
| Bioaccumulative potential                 | Potential for bioaccumulation (500 ≤ BCF ≤ 5000).  |
| <b>citral, isomer mixture (5392-40-5)</b> |  |
| BCF other aquatic organisms 1             | 250 (BCF)  |
| Log Pow                                   | 2.76 - 3.45 (Estimated value)  |
| Bioaccumulative potential                 | Bioaccumable.  |
| <b>D-Limonene (5989-27-5)</b>             |  |
| BCF fish 1                                | 864.8 - 1022 (BCF; Pisces)   |
| Log Pow                                   | 4.38 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 37 °C) |
| Bioaccumulative potential                 | Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).   |
| <b>Ethyl maltol (4940-11-8)</b>           |  |
| Bioaccumulative potential                 | No bioaccumulation data available.   |

#### 12.4. Mobility in soil

| <b>D-Limonene (5989-27-5)</b> |   |
|-------------------------------|---|
| Log Koc                       | Koc, SRC PCKOCWIN v2.0; 1120 - 6324; QSAR |

#### 12.5. Other adverse effects

No additional information available

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### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

- Waste treatment methods : Dispose of contents and container in accordance with licensed collector's sorting instructions.  
Additional information : Flammable vapors may accumulate in the container.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

- Transport document description : ID8000 Consumer commodity, 9  
UN-No.(DOT) : ID8000  
Proper Shipping Name (DOT) : Consumer commodity  
Class (DOT) : 9 - Class 9 - Miscellaneous hazardous material 49 CFR 173.140  
Hazard labels (DOT) : 9 - Class 9 (Miscellaneous dangerous materials)



- Other information : No supplementary information available.

#### Transport by sea

Not regulated

#### Air transport

- Transport document description (IATA) : UN 8000 Consumer commodity, 9  
UN-No. (IATA) : 8000  
Proper Shipping Name (IATA) : Consumer commodity  
Class (IATA) : 9 - Miscellaneous Dangerous Goods

### 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

Revision date : 03/17/2020

Full text of H-phrases:

|      |   |
|------|---|
| H226 | Flammable liquid and vapor.                     |
| H227 | Combustible liquid                              |
| H228 | Flammable solid                                 |
| H302 | Harmful if swallowed                            |
| H304 | May be fatal if swallowed and enters airways    |
| H315 | Causes skin irritation                          |
| H317 | May cause an allergic skin reaction             |
| H318 | Causes serious eye damage                       |
| H319 | Causes serious eye irritation                   |
| H320 | Causes eye irritation                           |
| H335 | May cause respiratory irritation                |
| H401 | Toxic to aquatic life                           |
| H411 | Toxic to aquatic life with long lasting effects |

*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.*