



# Vintage Gardenia

## Safety Data Sheet

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

Date of issue: 03/13/2019 Version: 1.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Vintage Gardenia

#### 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 4 H227 Combustible liquid  
Skin corrosion/irritation Category 2 H315 Causes skin irritation  
Skin sensitization, Category 1 H317 May cause an allergic skin reaction  
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) : Warning

Hazard statements (GHS US) : H227 - Combustible liquid  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction

Precautionary statements (GHS US) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 - Avoid breathing mist, vapors and spray.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P272 - Contaminated work clothing must not be allowed out of the workplace  
P280 - Wear protective gloves, protective clothing, eye and face protection  
P302+P352 - If on skin: Wash with plenty of water  
P333+P313 - If skin irritation or rash occurs: Get medical attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P363 - Wash contaminated clothing before reuse.  
P370+P378 - In case of fire: Use media other than water to extinguish.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P501 - 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

#### 3.2. Mixtures

Name	Product identifier	%*	GHS US classification
Tetramethyl acetyloctahydronaphthalenes	(CAS-No.) 54464-57-2	5 - 20	Skin Irrit. 2, H315 Skin Sens. 1B, H317

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Name	Product identifier	%*	GHS US classification
Hydroxycitronellal	(CAS-No.) 107-75-5	< 5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317
trans-geranyl acetate	(CAS-No.) 105-87-3	< 5	Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335
benzyl acetate	(CAS-No.) 140-11-4	< 5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
linalol	(CAS-No.) 78-70-6	< 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 STOT SE 3, H336
alpha-pentylcinnamaldehyde	(CAS-No.) 122-40-7	< 5	Skin Irrit. 2, H315 Skin Sens. 1, H317
isoeugenol	(CAS-No.) 97-54-1	< 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317
eucalyptus oils	(CAS-No.) 8000-48-4	< 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Skin Sens. 1, H317 Asp. Tox. 1, H304

\*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 after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water. Take off 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 : Call a poison center or doctor if you feel unwell.

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

- Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

#### 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 : Combustible liquid.
- Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

#### 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.

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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.

## 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. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing mist, vapors and spray.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. 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

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

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

alpha-pentylcinnamaldehyde (122-40-7)		
Not applicable		
benzyl acetate (140-11-4)		
ACGIH	Local name	Benzyl acetate
ACGIH	ACGIH TWA (ppm)	10 ppm
ACGIH	Remark (ACGIH)	URT irr
eucalyptus oils (8000-48-4)		
Not applicable		
trans-geranyl acetate (105-87-3)		
Not applicable		
Hydroxycitronellal (107-75-5)		
Not applicable		
Tetramethyl acetyloctahydronaphthalenes (54464-57-2)		
Not applicable		
isoeugenol (97-54-1)		
Not applicable		
linalol (78-70-6)		
Not applicable		

### 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 : Colorless to light yellow

Odor : Floral

Odor threshold : No data available

pH : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

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Flash point	: > 140 °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
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	: 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

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

### 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>alpha-pentylcinnamaldehyde (122-40-7)</b>	
LD50 oral rat	3730 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)
ATE US (oral)	3730 mg/kg body weight
<b>benzyl acetate (140-11-4)</b>	
LD50 oral rat	2490 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
ATE US (oral)	2490 mg/kg body weight
<b>trans-geranyl acetate (105-87-3)</b>	
LD50 oral rat	6300 mg/kg (Rat)
ATE US (oral)	6300 mg/kg body weight
<b>Hydroxycitronellal (107-75-5)</b>	
LD50 oral rat	> 5000 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)
<b>isoeugenol (97-54-1)</b>	
LD50 oral rat	1560 mg/kg (Rat)
ATE US (oral)	1560 mg/kg body weight

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<b>linalol (78-70-6)</b>	
LD50 oral rat	2790 mg/kg (Rat)
LD50 dermal rat	5610 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
ATE US (oral)	2790 mg/kg body weight
ATE US (dermal)	5610 mg/kg body weight

Skin corrosion/irritation	: Causes skin irritation.
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>benzyl acetate (140-11-4)</b>	
IARC group	3 - Not classifiable

Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: Not classified

<b>benzyl acetate (140-11-4)</b>	
Specific target organ toxicity – single exposure	May cause respiratory irritation.

<b>trans-geranyl acetate (105-87-3)</b>	
Specific target organ toxicity – single exposure	May cause respiratory irritation.

<b>linalol (78-70-6)</b>	
Specific target organ toxicity – single exposure	May cause drowsiness or dizziness.

Specific target organ toxicity – repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.

## 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.
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<b>alpha-pentylcinnamaldehyde (122-40-7)</b>	
LC50 fish 1	3 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Brachydanio rerio)
EC50 Daphnia 1	1.1 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilization Test; 96 h; Daphnia magna)

<b>benzyl acetate (140-11-4)</b>	
LC50 fish 1	68 mg/l (LC50; 96 h)

<b>linalol (78-70-6)</b>	
EC50 Daphnia 1	59 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilization Test; 48 h; Daphnia magna)
EC50 other aquatic organisms 1	>= 100 mg/l (3 h; Activated sludge)
LC50 fish 2	27.8 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Salmo gairdneri)
Threshold limit algae 1	88.3 mg/l (EC50; 96 h)

### 12.2. Persistence and degradability

<b>alpha-pentylcinnamaldehyde (122-40-7)</b>	
Persistence and degradability	Readily biodegradable in water. Biodegradability in soil: no data available. Adsorbs into the soil.

<b>benzyl acetate (140-11-4)</b>	
Persistence and degradability	Readily biodegradable in water.

<b>trans-geranyl acetate (105-87-3)</b>	
Persistence and degradability	Biodegradability in water: no data available. Forming sediments in water.
ThOD	2.6 g O <sub>2</sub> /g substance

<b>Hydroxycitronellal (107-75-5)</b>	
Persistence and degradability	Readily biodegradable in water.

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<b>Hydroxycitronellal (107-75-5)</b>	
Chemical oxygen demand (COD)	2.65 g O <sub>2</sub> /g substance

<b>isoeugenol (97-54-1)</b>	
Persistence and degradability	Biodegradability in water: no data available.

<b>linalol (78-70-6)</b>	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.531 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2.808 g O <sub>2</sub> /g substance

### 12.3. Bioaccumulative potential

<b>alpha-pentylcinnamaldehyde (122-40-7)</b>	
Log Pow	4.3 - 4.7

<b>benzyl acetate (140-11-4)</b>	
Log Pow	1.96 - 2.0 (QSAR)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

<b>trans-geranyl acetate (105-87-3)</b>	
BCF other aquatic organisms 1	1500 (BCF)
Log Pow	4.04 (Experimental value)

<b>Hydroxycitronellal (107-75-5)</b>	
Log Pow	2.11 (Estimated value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

<b>isoeugenol (97-54-1)</b>	
Log Pow	3.04
Bioaccumulative potential	No bioaccumulation data available.

<b>linalol (78-70-6)</b>	
Log Pow	2.84 - 3.145
Bioaccumulative potential	Bioaccumable.

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents and container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT : Non-hazardous; not regulated.

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

<b>alpha-pentylcinnamaldehyde (122-40-7)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

<b>benzyl acetate (140-11-4)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

<b>eucalyptus oils (8000-48-4)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

<b>trans-geranyl acetate (105-87-3)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

<b>Hydroxycitronellal (107-75-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

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### **Tetramethyl acetyloctahydronaphthalenes (54464-57-2)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### **isoeugenol (97-54-1)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### **linalol (78-70-6)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

## 15.2. International regulations

### **CANADA**

No additional information available

### **EU-Regulations**

No additional information available

### **National regulations**

No additional information available

## 15.3. US State regulations

Component	State or local regulations
benzyl acetate(140-11-4)	U.S. - New Jersey - Right to Know Hazardous Substance List

## SECTION 16: Other information

Full text of H-phrases:

H226	Flammable liquid and vapor.
H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H320	Causes eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness

*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.*