



Citrus Vanilla

Safety Data Sheet

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

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Version: 1.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : Citrus Vanilla

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

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. |
| Serious eye damage/eye irritation Category 2A | H319 | Causes serious eye irritation |
| 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
Causes serious eye irritation

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.
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 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.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Do NOT induce vomiting.
If skin irritation or rash occurs: Get medical attention.
If eye irritation persists: 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

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SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | %* | GHS US classification |
|---------------------------------|----------------------|--------|---|
| oils, Citrus sinensis | (CAS-No.) 8008-57-9 | 5 - 20 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Skin Sens. 1, H317 Asp. Tox. 1, H304 |
| 3-ethoxy-4-hydroxybenzaldehyde | (CAS-No.) 121-32-4 | 5 - 20 | Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Aquatic Acute 3, H402 |
| Ethyl maltol | (CAS-No.) 4940-11-8 | < 5 | Acute Tox. 4 (Oral), H302 |
| 4-hydroxy-3-methoxybenzaldehyde | (CAS-No.) 121-33-5 | < 5 | Eye Irrit. 2A, H319 Aquatic Acute 3, H402 Comb. Dust |
| P-anisyl acetate | (CAS-No.) 104-21-2 | < 5 | Skin Sens. 1B, H317 Aquatic Acute 3, H402 |
| Orange Oil terpeneless | (CAS-No.) 68606-94-0 | < 5 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304 |
| coumarin | (CAS-No.) 91-64-5 | < 5 | Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 STOT RE 2, H373 |

*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 cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- 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 eye contact : Eye irritation.
- 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.

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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.

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

None established for components

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 : Characteristic – Citrus Vanilla
- Odor threshold : No data available
- pH : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : > 95 °F
- Flash point : > 115 °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 mm²/s
- Viscosity, dynamic : < 100 cP
- Explosion limits : No data available
- Explosive properties : No data available
- Oxidizing properties : No data available

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9.2. Other information

No additional information available

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

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

| 4-hydroxy-3-methoxybenzaldehyde (121-33-5) | |
|--|------------------------|
| LD50 oral rat | 2800 mg/kg (Rat) |
| LD50 dermal rabbit | > 5010 mg/kg (Rabbit) |
| ATE US (oral) | 2800 mg/kg body weight |

| 3-ethoxy-4-hydroxybenzaldehyde (121-32-4) | |
|---|------------------------|
| LD50 oral rat | 1590 mg/kg (Rat) |
| LD50 dermal rabbit | > 7940 mg/kg (Rabbit) |
| ATE US (oral) | 1590 mg/kg body weight |

| coumarin (91-64-5) | |
|--------------------|-----------------------|
| LD50 oral rat | 300 - 900 mg/kg (Rat) |
| ATE US (oral) | 300 mg/kg body weight |

| oils, Citrus sinensis (8008-57-9) | |
|-----------------------------------|-----------------------|
| LD50 oral rat | > 5000 mg/kg (Rat) |
| LD50 dermal rabbit | > 5000 mg/kg (Rabbit) |

Skin corrosion/irritation : Not classified
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

| coumarin (91-64-5) | |
|--------------------|----------------------|
| IARC group | 3 - Not classifiable |

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

| coumarin (91-64-5) | |
|------------------------|--|
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |

Aspiration hazard : May be fatal if swallowed and enters airways.
Viscosity, kinematic : < 100 mm²/s
Symptoms/effects after skin contact : May cause an allergic skin reaction.
Symptoms/effects after eye contact : Eye irritation.

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Symptoms/effects after ingestion : Risk of lung edema.

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.

4-hydroxy-3-methoxybenzaldehyde (121-33-5)

| | |
|-------------------------|---|
| EC50 Daphnia 1 | 180 mg/l (EC50; 24 h) |
| LC50 fish 2 | 88 - 121 mg/l (LC50; 96 h; Pimephales promelas) |
| Threshold limit algae 1 | 2 mg/l (EC0; 72 h) |

3-ethoxy-4-hydroxybenzaldehyde (121-32-4)

| | |
|-------------|------------------------|
| LC50 fish 1 | 87.6 mg/l (LC50; 96 h) |
|-------------|------------------------|

coumarin (91-64-5)

| | |
|----------------|-----------------------|
| LC50 fish 1 | 56 mg/l (LC50; 96 h) |
| EC50 Daphnia 1 | 135 mg/l (EC50; 48 h) |

12.2. Persistence and degradability

Ethyl maltol (4940-11-8)

| | |
|-------------------------------|---|
| Persistence and degradability | Biodegradability in water: no data available. |
|-------------------------------|---|

4-hydroxy-3-methoxybenzaldehyde (121-33-5)

| | |
|-------------------------------|---------------------------|
| Persistence and degradability | Inherently biodegradable. |
|-------------------------------|---------------------------|

3-ethoxy-4-hydroxybenzaldehyde (121-32-4)

| | |
|-------------------------------|--|
| Persistence and degradability | Readily biodegradable in water. Forming sediments in water. Photodegradation in the air. |
| ThOD | 1.81 g O ₂ /g substance |
| BOD (% of ThOD) | 0.529 (5 days; Literature study) |

coumarin (91-64-5)

| | |
|-------------------------------|--|
| Persistence and degradability | Readily biodegradable in water. Photolysis in the air. |
|-------------------------------|--|

oils, Citrus sinensis (8008-57-9)

| | |
|-------------------------------|---|
| Persistence and degradability | Biodegradability in water: no data available. |
|-------------------------------|---|

12.3. Bioaccumulative potential

Ethyl maltol (4940-11-8)

| | |
|---------------------------|------------------------------------|
| Bioaccumulative potential | No bioaccumulation data available. |
|---------------------------|------------------------------------|

4-hydroxy-3-methoxybenzaldehyde (121-33-5)

| | |
|---------------------------|--|
| Log Pow | 1.21 - 1.37 |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

3-ethoxy-4-hydroxybenzaldehyde (121-32-4)

| | |
|---------------------------|--|
| Log Pow | 1.61 - 1.88 |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

coumarin (91-64-5)

| | |
|-------------------------------|--|
| BCF fish 1 | < 10 (BCF; 72 h) |
| BCF other aquatic organisms 1 | 42 (BCF; 24 h; Chlorella sp.) |
| Log Pow | 1.39 |
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |

oils, Citrus sinensis (8008-57-9)

| | |
|---------------------------|------------------------------------|
| Bioaccumulative potential | No bioaccumulation data available. |
|---------------------------|------------------------------------|

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.
Additional information : Flammable vapors may accumulate in the container.

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SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : NA1993 Combustible liquid, n.o.s. (terpene hydrocarbons), Comb Liq, III
UN-No.(DOT) : NA1993
Proper Shipping Name (DOT) : Combustible liquid, n.o.s.
terpene hydrocarbons
Class (DOT) : Comb Liq - Combustible liquid
Packing group (DOT) : III - Minor Danger
Other information : Not regulated in non-bulk containers (<=119 gallon capacity) per 49CFR173.150(f).

Transport by sea

Transport document description (IMDG) : UN 1993 FLAMMABLE LIQUID, N.O.S. (terpene hydrocarbons), 3, III
UN-No. (IMDG) : 1993
Proper Shipping Name (IMDG) : FLAMMABLE LIQUID, N.O.S.
Class (IMDG) : 3 - Flammable liquids
Packing group (IMDG) : III - substances presenting low danger
Limited quantities (IMDG) : 5 L

Air transport

Transport document description (IATA) : UN 1993 Flammable liquid, n.o.s. (terpene hydrocarbons), 3, III
UN-No. (IATA) : 1993
Proper Shipping Name (IATA) : Flammable liquid, n.o.s.
Class (IATA) : 3 - Flammable Liquids
Packing group (IATA) : III - Minor Danger

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

Full text of H-phrases:

| | |
|------|---|
| H226 | Flammable liquid and vapor. |
| 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 |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H402 | Harmful to aquatic life |

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.