



SAFETY DATA SHEET

Gardenia Tuberose

SECTION 1: IDENTIFICATION

Product Name: Gardenia Tuberose

Product Description: Fragrance Oil

Product Form: Mixture

Recommended Use:

Aromatic fragrance ingredient in concentrated form to be combined with other ingredients to create a finished product. Use according to established regulatory guidelines.

Recommended Restrictions:

For Manufacturing Use Only

Company:

Hive and Honey Candle Co
35590 Groesbeck Highway
Clinton Township, MI 48035

Emergency Contact Information:

No information available

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the Substance or Mixture

Class and category of danger:

Skin Corrosion / Irritation Category 3

Eye Damage / Irritation Category 2

Sensitization - Skin Category 1

Hazardous to the Aquatic Environment - Acute Hazard Category 2

Hazardous to the Aquatic Environment - Long-term Hazard Category 3

H316, Causes mild skin irritation.

H317, May cause an allergic skin reaction.

H319, Causes serious eye irritation.



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H401, Toxic to aquatic life.

H412, Harmful to aquatic life with long lasting effects.

2.2 Label elements

Signal word: Warning

Hazard Statements:

H316, Causes mild skin irritation.

H317, May cause an allergic skin reaction.

H319, Causes serious eye irritation.

H401, Toxic to aquatic life.

H412, Harmful to aquatic life with long lasting effects.

Precautionary statements:

P261, Avoid breathing vapour or dust.

P264, Wash hands and other contacted skin thoroughly after handling.

P272, Contaminated work clothing should not be allowed out of the workplace.

P273, Avoid release to the environment.

P280, Wear protective gloves/eye protection/face protection.

P302/352, IF ON SKIN: Wash with plenty of soap and water.

P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333/313, If skin irritation or rash occurs: Get medical advice/attention.

P337/313, If eye irritation persists: Get medical advice/attention.

P363, Wash contaminated clothing before reuse.

P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

(GHS) Hazard Symbol(s):



2.3 Other Hazards



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Other hazards:

None

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

3.2 Mixtures

This product is a mixture of ingredients containing the following substances representing a health or environmental hazard according to GHS (Global Harmonized System).

Substance	CAS	Percentage
alpha-Amylcinnamaldehyde	122-40-7	10-<20%
2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol	63500-71-0	5-<10%
Phenethyl alcohol	60-12-8	5-<10%
Benzyl acetate	140-11-4	5-<10%
Methyl anthranilate	134-20-3	1-<5%
alpha-Methylbenzyl acetate	93-92-5	1-<5%
alpha-Terpineol acetate	80-26-2	1-<5%
LILIAL SUB		1-<5%
dl-Citronellol	106-22-9	1-<5%
Tetrahydrolinalool	78-69-3	0.1-<1%
Linalyl acetate	115-95-7	0.1-<1%
4,4a,5,9b-Tetrahydroindeno[1,2-d]-1,3-dioxine	18096-62-3	0.1-<1%
d-Limonene	5989-27-5	0.1-<1%
2,2-Dimethyl-3-phenylpropanol	13351-61-6	0.1-<1%
Dihydromyrcenol	18479-58-8	0.1-<1%

Substances with workplace exposure limits, not listed above:

Not Applicable

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation:

Remove from exposure site to fresh air, keep at rest, and obtain medical attention.



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Eye exposure:

Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

Skin exposure:

IF ON SKIN: Wash with plenty of soap and water.

Ingestion:

Rinse mouth with water and obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Causes mild skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable media:

Carbon dioxide, Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated:

Carbon monoxide, Unidentified organic compounds.

5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

6.4 Reference to other sections:

Also refer to sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

7.3 Specific end use(s):

Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.



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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Workplace exposure limits:

Not Applicable

8.2 Exposure Controls

Eye / Skin Protection

Wear protective gloves/eye protection/face protection.

Respiratory Protection

Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material. Also refer to Sections 2 and 7.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Appearance:	Free flowing liquid without sediment
Odour:	Characteristic
Odour threshold:	Not determined
pH:	Not determined
Melting point / freezing point:	Not determined
Initial boiling point / range:	Not determined
Flash point:	537 °C
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Upper/lower flammability or explosive limits:	Product does not present an explosion hazard



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Vapour pressure:	Not determined
Vapour density:	Not determined
Relative density:	-0.0050 - 0.0050
Solubility(ies):	Not determined
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	Not expected
Oxidising properties:	Not expected

9.2 Other information:

Refractive Index @ 20C: -0.0015 - 0.0015

Flash Point (Fahrenheit): 999 °F

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

10.2 Chemical stability:

Good stability under normal storage conditions.

10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

10.4 Conditions to avoid:

Avoid extreme heat.

10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

10.6 Hazardous decomposition products:



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Not expected.

SECTION 11: TOXICOLOGY INFORMATION

11.1 Information on toxicological effects

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in UN GHS.

Acute Toxicity:	Based on available data the classification criteria are not met.
Acute Toxicity Oral	>5000
Acute Toxicity Dermal	>5000
Acute Toxicity Inhalation	Not Available
Skin corrosion/irritation:	Skin Corrosion / Irritation Category 3
Serious eye damage/irritation:	Eye Damage / Irritation Category 2
Respiratory or skin sensitisation:	Sensitization - Skin Category 1
Germ cell mutagenicity:	Based on available data the classification criteria are not met.
Carcinogenicity:	Based on available data the classification criteria are not met.
Reproductive toxicity:	Based on available data the classification criteria are not met.
STOT-single exposure:	Based on available data the classification criteria are not met.
STOT-repeated exposure:	Based on available data the classification criteria are not met.
Aspiration hazard:	Based on available data the classification criteria are not met.

Information about hazardous ingredients in the mixture

Ingredient	CAS	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
Benzyl acetate	140-11-4	2490	Not available	Not available	Not available
Methyl anthranilate	134-20-3	2780	Not available	Not available	Not available
Phenethyl alcohol	60-12-8	1610	2500	Not available	Not available



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alpha-Amylcinnamaldehyde	122-40-7	3730	Not available	Not available	Not available
dl-Citronellol	106-22-9	3450	2650	Not available	Not available

Refer to Sections 2 and 3 for additional information.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

Harmful to aquatic life with long lasting effects

12.2 Persistence and degradability:

Not available

12.3 Bioaccumulative potential:

Not available

12.4 Mobility in soil:

Not available

12.5 Other adverse effects:

Not available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: TRANSPORTATION INFORMATION

14.1 UN number:



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UN Model Regulations: Not classified

IMDG: Not classified

ADR,RID,ADN: Not classified

ICAO TI: Not classified

14.2 UN Proper Shipping Name:

UN: -

IMDG: -

ADR,RID,ADN: -

ICAO TI: -

14.3 Transport hazard class (es):

UN: -

IMDG: -

ADR,RID,ADN: -

ICAO TI: -

14.4 Packing Group

UN: -

IMDG: -

ADR,RID,ADN: -

ICAO TI: -

14.5 Environmental Hazards

Not environmentally hazardous for transport

14.6 Special Precautions for User

No additional precautions

14.7 Transport in Bulk According to Annex II of MARPOL73 and the IBC Code

Not classified

SECTION 15: REGULATORY INFORMATION

Essential Oil Components:



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Name	CAS	Percentage
ORANGE OIL FLORIDA	8028-48-6	1 0.1-<1%
GERANIUM OIL CHINESE	8000-46-2	0.1-<1%
YLANG YLANG OIL # 3	999999-01-7	<0.1%

Additional Formulation Properties:

Name	CAS	Percentage
Ethyl vanillin	121-32-4	0.1-<1%
Vanillin	121-33-5	0.1-<1%

SECTION 16: OTHER INFORMATION

Concentration % Limits:

SCI 3=23.47% EDI 2A=53.20% SS 1=5.64% EH A2=84.27% EH A3=8.38% EH C3=13.68%

Total Fractional Values:

SCI 3=4.26 EDI 2A=1.88 SS 1=17.74 EH A2=1.19 EH A3=11.93 EH C3=7.31

Key to Revisions:

Not applicable

Disclaimer:

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