

# SAFETY DATA SHEET

DATE ISSUED :	7/6/2022



## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Plumeria

**PRODUCT TYPE:** Perfumery Compound (Mixture)

**PRODUCT RECOMMENDED USE:** Compound used in customer substance/ mixture / product.

### MANUFACTURER

NorthWood Distributing, LLC

201 N Meridian Street

Belle Plaine, MN 56011

[customercare@northwoodcandle.com](mailto:customercare@northwoodcandle.com)

952-679-4058

## 2. HAZARDS IDENTIFICATION

### CLASSIFICATION:

Skin Corrosion / Irritation Category 2

Eye Damage / Irritation Category 2

Sensitization - Skin Category 1

Hazardous to the Aquatic Environment - Acute Hazard Category 1

Hazardous to the Aquatic Environment - Long-term Hazard Category 2

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H319, Causes serious eye irritation.

H400, Very toxic to aquatic life.

H411, Toxic to aquatic life with long lasting effects.

### GHS LABEL ELEMENTS:

#### HAZARD PICTOGRAM



**SIGNAL WORD:** Warning

**HAZARD STATEMENTS:**

H303	May be harmful if swallowed
H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

**PRECAUTIONARY/PREVENTION/RESPONSE STATEMENTS:**

P210	Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
P261	Avoid breathing vapor or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
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.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P330	Rinse mouth.
P331	Do not induce vomiting.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362	Wash contaminated clothing before reuse.
P370 + P378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage.
P403 + P235	Store in a well-ventilated place. Keep cool.

**Disposal Statement(s):**

P501	Dispose of contents/container in accordance with local/regional/international regulations
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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS Number	Weight %
alpha-Hexylcinnamaldehyde	101-86-0	12.57%
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran	1222-05-5	12.08%
Diethyl phthalate	84-66-2	9.69%
3,7-Dimethyl-1,6-nonadien-3-ol	10339-55-6	5.80%
Benzyl salicylate	118-58-1	4.83%
gamma-Undecalactone	104-67-6	3.83%

2-tert-Butylcyclohexyl acetate	88-41-5	3.87%
dl-Citronellol	106-22-9	3.39%
Linalool	78-70-6	3.23%
Hexyl salicylate	6259-76-3	2.21%
LILIAL SUB		2.18%
Jasmonyl LG	18871-14-2, 38285-49-3	1.93%
2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	28219-61-6	1.93%
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone	54464-57-2	1.93%
Tricyclodecanyl acetate	5413-60-5	1.93%
2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol	63500-71-0	1.80%
Benzyl acetate	140-11-4	1.74%
Dihydromyrcenol	18479-58-8	1.64%
Hydroxycitronellal	107-75-5	0.49%
alpha-Methyl-1,3-benzodioxole-5-propionaldehyde	1205-17-0	0.29%
2-Methyl-3-(p-isopropylphenyl)propionaldehyde	103-95-7	0.29%
2,2-Dimethyl-3-phenylpropanol	13351-61-6	0.28%
Eugenol	97-53-0	0.17%
Allyl hexanoate	123-68-2	0.17%
Isoeugenol	97-54-1	0.05%

**Substances with workplace exposure limits, not listed above:**

Not Applicable

**INGREDIENTS:**

The exact chemical makeup of this mixture is held to be a trade secret. Additional information will be made available upon request from authorized medical professionals through normal legal channels.

**4. FIRST AID MEASURES**

**GENERAL NOTES:**

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

**EYES:**

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least

10 minutes, holding the eyelids apart.

**SKIN:**

Wash with plenty of soap and water.

**INGESTION:**

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

**INHALATION:**

Remove from exposure to fresh air. If breathing has stopped or is difficult, administer artificial respiration and oxygen if available. Seek medical attention immediately.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:**

In the event of a genuine medical emergency, additional information will be revealed to a qualified health professional. Treat symptomatically. Ensure medical treatment personnel have access to this safety data sheet if necessary.

**Most important symptoms and effects, both acute and delayed**

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

## 5. FIRE FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA:** Carbon dioxide, Dry chemical, Foam. In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

**UNSUITABLE EXTINGUISHING MEDIA:** Do not use the direct water jet on burning material.

**SPECIAL HAZARDS ARISING FROM THE SUBSTANCE /MIXTURE:** Empty containers retain product residue (liquid or vapor) and can be dangerous. They should be rinsed with water and disposed of properly. Soaked rags or paper may pose a spontaneous combustion hazard in unsealed trash receptacles.

**DURING FIREFIGHTING:** Irritating fumes may be produced at high temperatures. Contain run-off and prevent from entering storm drains, bodies of water, or other environmentally sensitive areas.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon Dioxide, Carbon Monoxide and other unidentified organic compounds.

**SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTION FOR FIRE FIGHTERS:** Use standard protective equipment including self contained breathing apparatus as needed. Remove containers from fire area if this can be done without risk and cool with water spray.

**ADVICE FOR FIREFIGHTERS:** Further information: Standard Procedure for chemical fires.

## 6. ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:**

Eliminate all ignition sources. Ventilate Area. Contain spill and absorb spill onto inert material. Place material into a suitable container and dispose of in accordance with local regulations. DO NOT leave soaked rags or paper in unsealed receptacles as spontaneous combustion may sometimes occur under certain circumstances. Soak up with inert absorbent material such as cat litter, sand, or absorbent cloth and dispose of according to local,

regional, or national regulations.

**PERSONAL PRECAUTIONS:**

Remove all sources of ignition. Avoid inhalation. Avoid contact with skin and eyes.

**ENVIRONMENTAL PRECAUTIONS:**

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

**CONTAINMENT AND CLEANUP:**

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

**7. HANDLING AND STORAGE**

**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.

**HANDLING AND STORAGE:**

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.

**8. EXPOSURE CONTROLS\PERSONAL PROTECTION**

**WORKPLACE EXPOSURE LIMITS:**

Not applicable

**PERSONAL PROTECTIVE EQUIPMENT:** Wear splash resistant safety glasses and chemical resistant gloves. The use of chemical resistant gloves is recommended. Contaminated clothing and shoes should be cleaned before re-using. Acceptable industrial hygiene practices should be maintained.

**RESPIRATORY PROTECTION:** Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapor, 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 minimize exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapor cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material.

**EYE PROTECTION:** Use tightly sealed splash goggles, face shield, or safety glasses with brow guards and side shields as may be appropriate.

**SKIN PROTECTION:** Avoid skin contact. Use chemical resistant gloves as needed to avoid prolonged or repeated contact. Use of a rubber apron is recommended when handling large quantities of this material.

**WORK/HYGIENIC PRACTICES:** Good personal hygiene practices should be used. Wash hands after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before using again.

**OTHER USE PRECAUTIONS:** None generally required.

**COMMENTS:** This material is intended for manufacturing use only. Contaminated equipment should be cleaned with soap and water. Do not discharge wash water into lakes, streams, ponds, or public waters.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**COLOR:** Colorless - 2 Very Pale Yellow

**ODOR:** Conforms to Standard

**APPEARANCE:** Conforms to Standard

**FLASH POINT:** >200 F

**FLASH POINT METHOD:** CLOSED CUP

**AUTO-IGNITION TEMPERATURE:** Not available

**BOILING POINT/RANGE:** Not available

**MELTING POINT:** Not Determined

**VISCOSITY:** Liquid

**VAPOR PRESSURE:** Not available

**VAPOR DENSITY:** Not Determined

**SOLUBILITY:** Oil

**RELATIVE DENSITY:** 0.9510 - 0.9610

**Calculated VOC:** 0.00

**SPECIFIC GRAVITY:** Not Available

**EVAPORATION RATE:** Not Available

**REFRACTIVE INDEX @ 20C:** 1.4847 - 1.4947

**SOLVENT CONTENT:** Not available

## 10. STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Product is stable under normal storage and use.

**POSSIBILITY OF HAZARDOUS REACTIONS:** None Known.

**CONDITIONS TO AVOID:** Avoid freezing, excessive temperatures, open flame, and improper storage. Avoid contamination.

**MATERIALS TO AVOID:** Strong oxidizing agents or contamination with strong acids or alkalis.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

**REACTIVITY:** Product is non-reactive under normal conditions including transport, storage, and use.

**INCOMPATIBLE MATERIALS:** Not available

## 11. TOXICOLOGICAL INFORMATION

**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 2

**Serious eye damage/irritation:** Eye Damage / Irritation Category 2

**Respiratory or skin sensitization:** 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.

## 12. ECOLOGICAL INFORMATION

**TOXICITY:** Toxic to aquatic life with long lasting effects.  
Very toxic to aquatic life.

**PERSISTENCE AND DEGRADABILITY:** No data Available

**BIO-ACCUMULATIVE POTENTIAL:** No data Available

**MOBILITY IN SOIL:** No data Available

**OTHER ADVERSE EFFECTS:** No data Available

**ECOTOXICOLOGICAL OTHER INFORMATION:** No data Available

## 13. DISPOSAL CONSIDERATIONS

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.

#### 14. TRANSPORT INFORMATION

Regulator	Class	Pack Group	Sub Risk	UN-nr
<b>UN Model Regulations</b> ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8- hexamethylcyclopenta-gamma-2- benzopyran, Hexyl salicylate)	9	III		UN3082
<b>IMDG</b> ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8- hexamethylcyclopenta-gamma-2- benzopyran, Hexyl salicylate) MARINE POLLUTANT	9	III		UN3082
<b>ADR, RID, AND</b> ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8- hexamethylcyclopenta-gamma-2- benzopyran, Hexyl salicylate)	9	III		UN3082
<b>ICAO TI</b> ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8- hexamethylcyclopenta-gamma-2- benzopyran, Hexyl salicylate)	9	III		UN3082

**ENVIRONMENTAL HAZARDS:** This is classified as an environmentally hazardous substance under the UN Model Regulations. This is classified as a Marine Pollutant under the IMDG Code.

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**

Not applicable

#### 15. REGULATORY INFORMATION

**US State Regulations**

**California Proposition 65:** This product contains the following chemicals :

Eugenyl methyl ether (Naturally-Occurring)	93-15-2	0.0000063%
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**Essential Oils:**

CINNAMON LEAF OIL	8015-91-6	0.189%
CLOVE LEAF OIL	8015-98-2	0.189%
CLOVE BUD OIL EXTRA	8000-34-8	0.0063%



**Additional Formulation Properties:**

Diethyl phthalate	84-66-2	9.69%
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**Canadian Regulations**

DSL Inventory Status:	No information available
Other Canadian Regulations:	Not Listed

**16. OTHER INFORMATION**

**Concentration % Limits:** EH A1=92.59% EH A2=8.69% EH A3=0.86032087% EH C2=13.85% EH C3=1.38% EH C4=54.36% SCI 2=80.64% SCI 3=5.47% EDI 2A=40.48%SS 1=7.96%

**Total Fractional Values:** EH A1=1.08 EH A2=11.51 EH A3=116.24 EH C2=7.22 EH C3=72.68 EH C4=1.84 SCI 2=1.24 SCI 3=18.28 EDI 2A=2.47 SS 1=12.57

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