

# SAFETY DATA SHEET

Revision Number 2

Revision date 16-Jun-2022

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product identifier

**Product Name** Dried Lavender & Oak HVAC T11041057

### Other means of identification

**Synonyms** No information available

### Recommended use of the chemical and restrictions on use

**Recommended use** Fragrances  
For industrial use only

### Details of the supplier of the safety data sheet

#### **Supplier Address**

PPA Industries Inc.  
420 3rd Avenue NW  
Hickory NC 28601  
1-888-808-9100

### Emergency telephone number

Emergency Telephone US: 1-800-424-9300  
Emergency Telephone Outside US: 1-703-627-3887

## 2. Hazard identification

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/irritation	Category 2A
Skin Sensitization	Category 1

### Label Elements

Warning

### **Hazard Statements**

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



### **Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing should not be allowed out of the workplace

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

If eye irritation persists: Get medical advice/attention

IF ON SKIN: Wash with plenty of soap and water

Take off contaminated clothing and wash before reuse

If skin irritation or rash occurs: Get medical advice/attention

#### Precautionary Statements - Disposal

Dispose of contents/containers in accordance with local regulations

#### Hazards Not Otherwise Classified (HNOC)

None known

#### Other information

##### Other Hazards

None known

##### Unknown acute toxicity

1.00003 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. Composition/information on Ingredients

#### Hazardous components

The specific chemical identity and/or exact percentage (concentration) of the individual components of this mixture is proprietary information and is regarded to be a trade secret. It is withheld in accordance with the provisions of 29 CFR 1910.1200.

Chemical name	CAS No	Concentration	GHS Classification
Linalyl acetate	115-95-7	>=3 - <5%	Aquatic Acute 3 (H402) Flam. Liq. 4 (H227) Eye Irrit. 2B (H320) Skin Irrit. 2 (H315) Skin Sens. 1B (H317)
2,6-Dimethyloct-7-en-2-ol	18479-58-8	>=3 - <5%	Acute Tox. 5 (H303) Eye Irrit. 2A (H319) Aquatic Acute 3 (H402) Flam. Liq. 4 (H227) Skin Irrit. 2 (H315)
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	54464-57-2	>=3 - <5%	Skin Irrit. 2 (H315) Aquatic Acute 2 (H401) Skin Sens. 1B (H317) Aquatic Chronic 1 (H410)
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	1222-05-5	>=1 - <3%	Skin Irrit. 3 (H316) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
.alpha.-Hexylcinnamaldehyde	101-86-0	>=1 - <3%	Skin Sens. 1B (H317) Acute Tox. 5 (H303) Skin Irrit. 3 (H316) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)
(R)-P-MENTHA-1,8-DIENE	5989-27-5	>=1 - <3%	Aquatic Acute 1 (H400) Aquatic Chronic 3 (H412) Asp. Tox. 1 (H304) Flam. Liq. 3 (H226) Skin Irrit. 2 (H315) Skin Sens. 1B (H317)
cis-4-(Isopropyl)cyclohexanemethanol	13828-37-0	>=1 - <3%	Aquatic Acute 2 (H401) Skin Irrit. 2 (H315) Skin Sens. 1B (H317)
LINALOOL	78-70-6	>=1 - <3%	Aquatic Acute 3 (H402) Eye Irrit. 2A (H319) Skin Irrit. 2 (H315) Acute Tox. 5 (H303) Flam. Liq. 4 (H227)

Chemical name	CAS No	Concentration	GHS Classification
			Skin Sens. 1B (H317)
EUGENOL	97-53-0	>=1 - <3%	Aquatic Acute 2 (H401) Acute Tox. 5 (H303) Eye Irrit. 2A (H319) Skin Sens. 1B (H317) Skin Irrit. 3 (H316)
2,6-DI-TERT-BUTYL-P-CRESOL	128-37-0	>=1 - <3%	Aquatic Chronic 1 (H410) Aquatic Acute 1 (H400)
2-(2H-Benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)pheno l	3147-75-9	>=1 - <3%	Aquatic Chronic 4 (H413)
Methyl 2,4-dihydroxy-3,6-dimethylbenzoate	4707-47-5	>=0.1 - <1%	Aquatic Acute 2 (H401) Skin Sens. 1B (H317)
(E)-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one	24720-09-0	>=0.1 - <1%	Aquatic Chronic 2 (H411) Acute Tox. 4 (H302) Skin Sens. 1B (H317) Acute Tox. 5 (H313) Aquatic Acute 2 (H401)
1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one	21145-77-7	>=0.1 - <1%	Aquatic Chronic 1 (H410) Aquatic Acute 1 (H400) Acute Tox. 4 (H302)
Allyl (3-methylbutoxy)acetate	67634-00-8	>=0.1 - <1%	Acute Tox. 2 (H330) Aquatic Acute 2 (H401) Acute Tox. 4 (H302) Flam. Liq. 4 (H227) Skin Irrit. 2 (H315)
Geraniol	106-24-1	>=0.1 - <1%	Aquatic Acute 3 (H402) Acute Tox. 5 (H303) Eye Dam. 1 (H318) Skin Irrit. 2 (H315) Skin Sens. 1 (H317)
Cineole	470-82-6	>=0.1 - <1%	Aquatic Acute 3 (H402) Acute Tox. 5 (H303) Eye Irrit. 2B (H320) Flam. Liq. 3 (H226) Skin Sens. 1B (H317)
GERANYL ACETATE	105-87-3	>=0.1 - <1%	Aquatic Chronic 3 (H412) Skin Sens. 1B (H317) Skin Irrit. 2 (H315) Aquatic Acute 2 (H401)
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	127-51-5	>=0.1 - <1%	Skin Sens. 1B (H317) Aquatic Acute 2 (H401) Skin Irrit. 3 (H316) Aquatic Chronic 2 (H411)
COUMARIN	91-64-5	>=0.1 - <1%	Aquatic Acute 3 (H402) Skin Sens. 1B (H317) Acute Tox. 4 (H302)
Ethyl 2,3-epoxy-3-phenylbutyrate	77-83-8	>=0.1 - <1%	Aquatic Chronic 2 (H411) Skin Sens. 1B (H317) Aquatic Acute 2 (H401)
[3R-(3a,3ab,7b,8aa)]-2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene	469-61-4	>=0.01 - <0.1%	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Asp. Tox. 1 (H304) Skin Irrit. 3 (H316)
[1S-(1.alpha.,3a.beta.,4.alpha.,8a.beta.)]-Decahydro-4,8,8-trimethyl-9-methylene-1,4-methanoazulene	475-20-7	>=0.01 - <0.1%	Aquatic Chronic 1 (H410) Aquatic Acute 1 (H400) Asp. Tox. 1 (H304) Skin Sens. 1B (H317) Skin Irrit. 3 (H316)

#### 4. First aid measures

**Description of first aid measures**

<b>General advice</b>	When in doubt or if symptoms are observed, get medical advice.
<b>Inhalation</b>	Remove casualty to fresh air and keep warm and at rest. In case of respiratory tract irritation, consult a physician.
<b>Skin contact</b>	Change contaminated, saturated clothing. After contact with skin, wash immediately with plenty of water and soap. In case of skin reactions, consult a physician.
<b>Eye contact</b>	In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
<b>Ingestion</b>	If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.
<b>Self-protection of the first aider</b>	Use personal protection recommended in Section 8.

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

**Symptoms** No known symptoms to date.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

## 5. Fire-fighting measures

**Suitable extinguishing media**

Foam. Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder.

**Large Fire** Alcohol resistant foam. Water spray.

**Unsuitable extinguishing media** Full water jet.

**Special hazards arising from the substance or mixture**

In case of fire may be liberated, Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Burning produces heavy smoke, Do not inhale explosion and combustion gases.

**Protective equipment and precautions for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing. Use water spray jet to protect personnel and to cool endangered containers. Move undamaged containers from immediate hazard area if it can be done safely. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8. Remove all sources of ignition. Provide adequate ventilation as well as local exhaustion at critical locations. See section 7 for more information.

**For emergency responders** Use personal protection recommended in Section 8.

**Environmental precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure waste is collected and contained.

**Methods and material for containment and cleaning up**

**Methods for cleaning up** Clean contaminated surface thoroughly.

**7. Handling and Storage**

**Precautions for safe handling**

**Advice on safe handling** Avoid contact with skin, eyes or clothing. Wear protective gloves and eye/face protection. See Section 8 for information on appropriate personal protective equipment. Remove all sources of ignition. Provide adequate ventilation as well as local exhaust at critical locations. Handle and open container with care.

**Conditions for safe storage, including any incompatibilities**

**Storage conditions** Keep container tightly closed in a cool, well-ventilated place. Store in a dry place. Protect from direct sunlight. Remove all sources of ignition. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

**8. Exposure Controls/Personal Protection**

**Control parameters**

**Occupational exposure limits**

Chemical name	ACGIH OEL	OSHA PEL	NIOSH IDLH
2,6-DI-TERT-BUTYL-P-CRESOL 128-37-0	2 MGM3 Inhalable fraction and vapor. (TWA)		
Benzyl Acetate 140-11-4	10 PPM (TWA)		
BORNAN-2-ONE 76-22-2	3 PPM (STEL) 2 PPM (TWA)	2 MGM3 (TWA)	200 MGM3

Reference sources The Occupational Safety and Health Administration's (OSHA) subpart Z, Toxic and Hazardous Substances, found in 29 CFR Part 1910;  
ACGIH (American Conference of Governmental Industrial Hygienists)  
NIOSH (National Institute for Occupational Safety and Health)

**Appropriate engineering controls**

**Engineering controls** Provide adequate ventilation as well as local exhaust at critical locations. Do not subject to unnecessarily high temperatures during processing.

**Individual protection measures, such as personal protective equipment**

- Eye/face protection** Eye glasses with side protection.
- Hand protection** Wear chemically resistant gloves in combination with 'basic' employee training.
- Skin and body protection** Wear appropriate personal protective clothing to prevent skin contact.
- Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and after work. Do not eat, drink or smoke when using this product.

**FEMA Statement** This product does not contain any substances at ≥0.1% listed as High Priority in Table 1 of the Flavor and Extract Manufacturers Association of the United States Respiratory Health and Safety in the Flavor Manufacturing Workplace (2012 edition)  
This product does not contain any substances at ≥1.0% listed as Low Priority in Table 1 of the Flavor and Extract Manufacturers Association of the United States Respiratory Health and Safety in the Flavor Manufacturing Workplace (2012 edition)

## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

Appearance	Liquid
Color	COLORLESS TO LIGHT YELLOW
Odor	WHITE FLOWERS, CYPRESS, jasmine
Odor threshold	No data available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	
Melting point / freezing point	No data available	
Boiling point / boiling range	No data available	
Flash point	> 100 °C / > 212 °F	CC (closed cup), ASTM D93 equivalent
Evaporation rate	No data available	
Flammability (solid, gas)		
Flammability limit in air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	0.11721 mmHg@20°C (calculated)	
Vapor density	No data available	
Relative Density	No data available	
Relative Density	0.8840 - 0.8940 (D25°C/25°C)	
Water solubility	No data available	
Solubility in other solvents	No data available	
Partition coefficient: n-octanol/water	No data available	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	
Dynamic viscosity	No data available	
Explosive Properties	No data available	
Oxidizing Properties	No data available	

### Other information

Refractive Index 1.4470 - 1.4570 (n<sub>25°C/D</sub>)

## 10. Stability and Reactivity

### Reactivity

None under normal use conditions.

### Chemical stability

Stable under normal conditions. Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

### Conditions to avoid

Extremes of temperature and direct sunlight. Do not heat closed containers.

### Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

### Hazardous decomposition products

None under normal use.

## 11. Toxicological Information

### Information on likely routes of exposure

<b>Product Information</b>	No data available.
<b>Inhalation</b>	No data available.
<b>Eye contact</b>	No data available.
<b>Skin contact</b>	No data available.
<b>Ingestion</b>	No data available.

**Symptoms related to the physical, chemical and toxicological characteristics**

<b>Symptoms</b>	No information available.
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**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP
<b>Reproductive toxicity</b>	No information available.
<b>Specific target organ toxicity - Single exposure</b>	No information available.
<b>Specific target organ toxicity - Repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

**Numerical measures of toxicity - Product Information**

<b>Unknown acute toxicity</b>	1.00003 % of the mixture consists of ingredient(s) of unknown toxicity
<b>The following values are calculated based on chapter 3.1 of the GHS document</b>	
<b>ATEmix (oral)</b>	5229 mg/kg
<b>ATEmix (dermal)</b>	5408 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	134.6 mg/l

**12. Ecological Information**

<b>Ecotoxicity</b>	Toxic to aquatic life with long lasting effects.
<b>Persistence and degradability</b>	No information available.
<b>Bioaccumulative potential</b>	No information available
<b>Other adverse effects</b>	No information available

**13. Disposal Considerations**

**Waste Treatment Methods**

**Waste disposal method** Dispose of in accordance with local regulations.  
**Contaminated packaging** Do not reuse container.

**14. Transport Information**

**DOT Non-bulk Packaging**  
**UN/ID no** Not regulated  
**Proper Shipping Name** Not regulated  
**Hazard Class** Not regulated  
**Packing group** Not regulated  
**Marine Pollutant** Not regulated

**Air transport (ICAO-TI / IATA-DGR)**  
**UN/ID no** 3082  
**Proper Shipping Name** Environmentally hazardous substance, liquid, n.o.s.  
(1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one AND  
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran)  
**Hazard Class** 9  
**Packing group** III

**Sea transport (IMDG)**  
**UN/ID no** 3082  
**Proper Shipping Name** Environmentally hazardous substance, liquid, n.o.s.  
(1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one AND  
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran)  
**Hazard Class** 9  
**Packing group** III  
**EmS No** F-A, S-F  
**Marine Pollutant** Yes

**15. Regulatory Information**

**Federal Regulations**

**SARA 313**  
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazardous Categorization -**

<b>Acute health hazard</b>	Yes
<b>Chronic health hazard</b>	No
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**16. Other Information**

**Revision date** 16-Jun-2022



The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Where the handling, storage and disposal of this material is beyond the immediate control of Takasago, it shall be the user's responsibility to determine safe conditions for use of this product. The user assumes all liability for loss, injury, damage or expense resulting from the improper use of this product.

**End of Safety Data Sheet**