

# SAFETY DATA SHEET

## DENPON

Date Revised: July 2020  
Supersedes: May 2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product identifiers

Product name : DENPON  
Product Number : N/A  
Product Form : Mixture of ingredients 1.2 and 3 in PE bulb and ingredients 4 & 5 in PE vial  
Brand : Alpha Scents

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Insect Lure for Mountain Pine Beetle, *Dendroctonus ponderosae*

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

Company : Alpha Scents, Inc  
1089 Willamette Falls Dr.  
WEST LINN OR 97068  
USA  
Telephone : 503-342-8611  
Fax : 314-271-7297

#### 1.4 Emergency telephone number

Emergency Phone # : 800-222-1222

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

#### 2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

#### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS-none

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

- (1) Chemical Name : 7-Methyl-3-methylene-1,6-octadiene  
Synonyms : myrcene  
  
Formula : C<sub>10</sub>H<sub>16</sub>  
Molecular weight : 136.23  
CAS-No. : 123-35-3  
EC Number : 204-622-5
- (2) Chemical Name : Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-  
Synonyms : Tinuvin 171  
  
Formula : N/A  
Molecular weight : N/A  
CAS-No. : 2440-22-4  
EC Number : N/A
- (3) Chemical Name : Butylated hydroxytoluene  
Synonyms : BHT

	Formula	:	C15H24O
	Molecular weight	:	220.35 g/mo
	CAS-No.	:	128-37-0
	EC Number	:	N/A
(4)	Chemical Name	:	trans-4,6,6-Trimethylbicyclo[3.1.1]hept-3-en-2-ol
	Synonyms	:	trans-verbenol
	Formula	:	C10H16O
	Molecular weight	:	152.23
	CAS-No.	:	1845-30-3
	EC Number	:	
(5)	Chemical Name	:	exo-7-Ethyl-5-methyl-6,8-dioxabicyclo[3.2.1]octane
	Synonyms	:	exo-brevicommin
	Formula	:	C9H16O2
	Molecular weight	:	156.22
	CAS-No.	:	60018-04-4
	EC Number	:	

The exact percentage of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

##### 4.1 Description of first aid measures

###### **General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

###### **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

###### **In case of skin contact**

Wash off with soap and plenty of water..

###### **In case of eye contact**

Flush eyes with water as a precaution.

###### **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

##### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

##### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

#### 5. FIREFIGHTING MEASURES

##### 5.1 Extinguishing media

###### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

##### 5.2 Special hazards arising from the substance or mixture

Carbon oxides

##### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

##### 5.4 Further information

No data available

#### 6. ACCIDENTAL RELEASE MEASURES

##### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas.

For personal protection see section 8.

##### 6.2 Environmental precautions

Do not let product enter drains.

### 6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For disposal see section 13.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

For precautions see section 2.2.

### 7.2 Conditions for safe storage ,including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

##### Eye/face protection

None required).

##### Skin protection

Handle with gloves. None required if lure is in foil pouch. Gloves should be used when handling lures removed from foil pouch.

Wash and dry hands.

This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

##### Body Protection

None required.

##### Control of environmental exposure

Do not let product enter drains.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### (1) (7-Methyl-3-methylene-1,6-octadiene

a) Appearance	Form: liquid, clear Color: colorless
b) Odor	No data available
c) Odor threshold	No data available
d) pH	No data available
e) Melting point/freezing	< -80 °C (< -112 °F) at 1,013 hPa (760 mmHg)
f) Initial boiling point and boiling range	167 °C (333 °F) - lit.
g) Flash point	44 °C (111 °F) - closed cup
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapor pressure	9 hPa (7 mmHg) at 20 °C (68 °F)
l) Vapor density	4.7 - (Air = 1.0)
m) Relative density	0.791 g/mL at 25 °C (77 °F)
n) Water solubility	0.00109 g/l at 20 °C (68 °F)

o) Partition coefficient n-octanol/water	log Pow: 5.285 at 25 °C (77 °F)
p) Auto-ignition temperature	255 °C (491 °F)
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

**(2) Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl**

a) Appearance	Form: liquid Color: yellow
b) Odor	Faint
c) Odor threshold	No data available
d) pH	5.4
e) Melting point/freezing point	-54°C
f) Initial boiling point and boiling range	174°C.
g) Flash point	>200 °C
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapor pressure	0.1 hPa ( 20 °C)
l) Vapor density	No data available
m) Relative density	No data available
n) Water solubility	< 0.0003 g/l ( 20 °C) insoluble
o) Partition coefficient n-octanol/water	8.9 ( 20 - 25 °C)
p)Auto-ignition temperature	410°C
q)Decomposition temperature	No data available
r) Viscosity	1,800 - 2,000 mPa.s ( 20 °C)
s) Explosive properties	No data available
t) Oxidizing properties	No data available

**(3) Butylated hydroxytoluene**

a) Appearance	Form: crystalline Color: white
b) Odor	No data available
c) Odor threshold	No data available
d) pH	No data available
e) Melting point/freezing	69 - 73 °C (156 - 163 °F) - lit.
f) Initial boiling point and boiling range	265 °C (509 °F) - lit.
g) Flash point	127.0 °C (260.6 °F) - closed cup
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapor pressure	0.01 hPa (0.01 mmHg) at 20.0 °C (68.0 °F)
Vapor density	No data available
m) Relative density	1.05 g/cm <sup>3</sup> at 20 °C (68 °F)
n) Water solubility	0.0004 g/l at 20 °C (68 °F) - slightly soluble)
o) Partition coefficient n-octanol/water	log Pow: 5.1
p)Auto-ignition temperature	470.0 °C (878.0 °F)
q)Decomposition temperature	No data available
r) Viscosity	3.47 mm <sup>2</sup> /s at 80 °C (176 °F) -
s) Explosive properties	No data available
t) Oxidizing properties	No data available

**(4) trans-4,6,6-Trimethylbicyclo[3.1.1]hept-3-en-2-ol**

a) Appearance	Form: crystalline Color: colorless
b) Odor	No data available
c) Odor threshold	No data available
d) pH	No data available
e) Melting point/freezing	No data available

range	
f) Initial boiling point and boiling range	308.99 °C. @ 760.00 mm Hg (est)
g) Flash point	275.00 °F. TCC ( 134.90 °C. ) (est)
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapor pressure	No data available
l) Vapor density	No data available
m) Relative density	No data available
n) Water solubility	0.234 mg/L @ 25 °C (est)
o) Partition coefficient n-octanol/water	log Pow: 4.22 at 37 °C (99 °F)
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

**(5) exo-7-Ethyl-5-methyl-6,8-dioxabicyclo[3.2.1]octane**

a) Appearance	Form: No data available Color: No data available
b) Odor	No data available
c) Odor threshold	No data available
d) pH	No data available
e) Melting point/freezing	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapor pressure	No data available
l) Vapor density	No data available
m) Relative density	No data available
n) Water solubility	No data available
o) Partition coefficient n-octanol/water	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

**10. STABILITY AND REACTIVITY**

**10.1 Reactivity**

No data available

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

No data available

**10.4 Conditions to avoid**

No data available

**10.5 Incompatible materials**

Strong bases, Strong oxidizing agents, Strong reducing agents

**10.6 Hazardous decomposition products**

Other decomposition products-No data available

In the event of fire: see section 5

**11. TOXICOLOGICAL INFORMATION**

## 11.1 Information on toxicological effects

### Acute toxicity

No data available

Inhalation: No data available

LD50 Dermal -Rabbit-> 5,000 mg/kg

No data available

### Skin corrosion/irritation

No data available

### Serious eye damage/eye irritation

No data available

### Respiratory or skin sensitisation

No data available

### Germ cell mutagenicity

No data available

### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA

### Reproductive toxicity

No data available

### Specific target organ toxicity -single exposure

No data available

### Specific target organ toxicity -repeated exposure

No data available

### Aspiration hazard

No data available

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### 12.6 Other adverse effects

No data available

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Product Offer surplus and non-recyclable solutions to a licensed disposal company

## 14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

## 15. REGULATORY INFORMATION

EPA Exempted from label requirements; CFR 40 152.25(b) if used for monitoring purposes in traps.

## 16. OTHER INFORMATION

### HMIS Rating

Health hazard	:	1
Chronic Health Hazard	:	0
Flammability	:	1
Physical Hazard	:	0

### NFPA Rating

Health hazard	:	1
Fire Hazard	:	0
Reactivity Hazard	:	0

### Further information

Copyright 2015 Alpha Scents, Inc. The information contained herein is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Alpha Scents, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.