



## Safety Data Sheet Reindeer Retreat Fragrance Oil

### SECTION 1: Identification

#### 1.1 Product identifier

Product name	Reindeer Retreat Fragrance Oil
Brand	Nature's Oil

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

No additional information available.

#### 1.4 Supplier's details

Name	Bulk Apothecary
Address	115 Lena Dr Aurora OH 44202 United States
Telephone	1-888-728-7612
email	sales@bulkapothecary.com

#### 1.5 Emergency phone number(s)

Domestic: 1-800-633-8253 International: 801-629-0667

### SECTION 2: Hazard identification

#### 2.1 Classification of the substance or mixture

##### GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Acute toxicity, inhalation, Cat. 2
- Aspiration hazard, Cat. 1
- Eye damage/irritation, Cat. 2A
- Flammable liquids, Cat. 4
- Sensitization, skin, Cat. 1
- Skin corrosion/irritation, Cat. 2
- Specific target organ toxicity (single exposure), Cat. 2
- Toxic to reproduction, Cat. 2

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

##### Pictogram

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## Reindeer Retreat Fragrance Oil



### Signal word

### Danger

### Hazard statement(s)

H227	Combustible liquid
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
H330	Fatal if inhaled
H361	Suspected of damaging fertility or the unborn child
H371	May cause damage to organs

### Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash hands, forearms, and face thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	[In case of inadequate ventilation] wear respiratory protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor
P302+P352	IF ON SKIN: Wash with plenty of water
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor
P320	Specific treatment is urgent (see supplemental first aid instruction on this label).
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+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use media other than water to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, state, national and/or international regulations

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

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### Hazardous components

#### 1. Isobornyl acetate

Concentration 25 - 50 % (weight)  
CAS no. 125-12-2

- Flam. Liq. 4, H227  
Eye Irrit. 2, H319

#### 2. BENZYL BENZOATE

Concentration 10 - 25 % (weight)  
EC no. 204-402-9  
CAS no. 120-51-4  
Index no. 607-085-00-9

- Acute toxicity, Cat. 4302

#### 3. Oils, Siberian fir

Concentration 5 - 10 % (weight)  
CAS no. 8021-29-2

- Flam. Liq. 3, H226  
Skin Irrit. 2, H315  
Eye Irrit. 2A, H319  
Skin Sens. 1, H317  
Asp. Tox. 1, H304

#### 4. 2-(4-tert-Butylbenzyl)propionaldehyde

Concentration 5 - 10 % (weight)  
EC no. 201-289-8  
CAS no. 80-54-6

- Acute toxicity

#### 5. Octanal, 2-(phenylmethylene)-

Concentration 1 - 5 % (weight)  
EC no. 202-983-3  
CAS no. 101-86-0

- Skin Sens. 1B, H317

#### 6. 7-Octen-2-ol, 2,6-dimethyl-

Concentration 1 - 5 % (weight)  
CAS no. 18479-58-8

- Flam. Liq. 4, H227  
Skin Irrit. 2, H315

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Eye Irrit. 2, H319

### 7. Benzyl salicylate

Concentration 1 - 5 % (weight)  
EC no. 204-262-9  
CAS no. 118-58-1

- Eye Irrit. 2B, H320  
Skin Sens. 1, H317

### 8. CAMPHOR

Concentration 1 - 5 % (weight)  
CAS no. 76-22-2

- Flam. Sol. 2, H228  
Acute Tox. 4 (Oral), H302  
Acute Tox. 4 (Inhalation), H332  
STOT SE 2, H371

### 9. Oils, fir

Concentration 1 - 5 % (weight)  
CAS no. 8021-28-1

- Flam. Liq. 3, H226  
Skin Irrit. 2, H315  
Eye Irrit. 2A, H319  
Skin Sens. 1, H317  
Asp. Tox. 1, H304

### 10. Benzoic acid, 2-hydroxy-, pentyl ester

Concentration 1 - 5 % (weight)  
CAS no. 2050-08-0

- Acute toxicity, Cat. 4302

### 11. Linalyl acetate

Concentration 1 - 5 % (weight)  
EC no. 204-116-4  
CAS no. 115-95-7

- Flam. Liq. 4, H227  
Skin Irrit. 2, H315  
Eye Irrit. 2, H319  
Skin Sens. 1, H317

### 12. Diethyl phthalate

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Concentration 1 - 5 % (weight)  
EC no. 201-550-6  
CAS no. 84-66-2

- Acute toxicity, Cat. 3331

#### 13. Orange terpenes

Concentration 1 - 5 % (weight)  
EC no. 232-433-8  
CAS no. 68647-72-3

- Flam. Liq. 3, H226  
Skin Irrit. 2, H315  
Skin Sens. 1B, H317  
Asp. Tox. 1, H304

#### 14. Linalool

Concentration 1 - 5 % (weight)  
EC no. 201-134-4  
CAS no. 78-70-6

- 5 Flam. Liq. 4, H227  
Skin Irrit. 2, H315  
Eye Irrit. 2, H319  
Skin Sens. 1, H317

#### 15. 1H-3a,7-Methanoazulene, 2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-, (3R,3aS,7S,8aS)-

Concentration 1 - 5 % (weight)  
CAS no. 469-61-4

- Flam. Liq. 4, H227  
Asp. Tox. 1, H304  
Aquatic Acute 1, H400  
Aquatic Chronic 1, H410

#### 16. Eucalyptus oil

Concentration 1 - 5 % (weight)  
EC no. 283-406-2  
CAS no. 8000-48-4

- Flam. Liq. 3, H226  
Skin Irrit. 2, H315  
Skin Sens. 1, H317  
Asp. Tox. 1, H304

#### 17. 6-Octen-1-ol, 3,7-dimethyl-

Concentration 0.1 - 1 % (weight)

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CAS no. 106-22-9

- Skin Irrit. 2, H315  
Eye Irrit. 2, H319  
Skin Sens. 1, H317

### 18. Eugenol

Concentration 0.1 % (weight)  
EC no. 202-589-1  
CAS no. 97-53-0

- Eye Irrit. 2, H319  
Skin Sens. 1, H317

## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

General advice	Consult a physician immediately. Show this safety data sheet to the doctor in attendance.
If inhaled	Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor immediately.
In case of skin contact	Wash with plenty of water for at least 15 minutes. Call a poison center or doctor if irritation develops or persists. Take off contaminated clothing and wash it before reuse.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice.
If swallowed	Do not induce vomiting. Call a physician immediately.

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

Inhalation: May cause respiratory problems  
Skin Contact: Irritation. May cause an allergic skin reaction  
Eye Contact: Eye irritation  
Ingestion: Risk of lung edema. May be fatal if swallowed

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2 Specific hazards arising from the chemical

Combustible liquid. Upon combustion may produce oxides of carbon, smoke, and fumes. Burning fumes may be acrid.

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### 5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting. Wear protective clothing and gear to prevent contact with skin and eyes.

#### Further information

Use water spray to cool unopened containers.

## SECTION 6: Accidental release measures

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

Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Only qualified personnel equipped with suitable protective equipment may intervene.

Emergency responders: 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

Should not be released into the environment.

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

Soak up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. Dispose of materials or solid residues at an authorized site

#### Reference to other sections

For disposal see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust, fume, gas, mist, vapors, and/or spray.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. 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

Store locked up in a cool, dry, and well ventilated place. Keep container tightly closed. Store away from direct sunlight and ignition sources.

#### Specific end use(s)

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

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### 1. Diethyl phthalate (CAS: 84-66-2 EC: 201-550-6)

TLV® (Inhalation): 5 mg/m<sup>3</sup> (ACGIH)

Upper Respiratory Tract irritation

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Not classifiable as a human carcinogen

REL-TWA (Inhalation): 5 mg/m<sup>3</sup> (NIOSH)

Upper Respiratory Tract irritation

Not classifiable as a human carcinogen

TWA (Inhalation): 5 mg/m<sup>3</sup>; USA (ACGIH)

USA. ACGIH Threshold Limit Values (TLV)/ Upper Respiratory Tract irritation. Not classifiable as a human carcinogen

TWA (Inhalation): 5 mg/m<sup>3</sup>; USA (NIOSH)

USA. NIOSH Recommended Exposure Limits

PEL (Inhalation): 5 mg/m<sup>3</sup>; USA (Cal/OSHA)

California permissible exposure limits for chemical contaminants (Title 8, Article 107)

### 2. Orange oil (CAS: 8028-48-6)

TLV® (Inhalation): 30 ppm (ACGIH)

### 3. Camphor, synthetic (CAS: 76-22-2)

PEL (Inhalation): 2 mg/m<sup>3</sup> (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 2 mg/m<sup>3</sup> (Cal/OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

REL (Inhalation): 2 mg/m<sup>3</sup> (NIOSH)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

## 8.2 Appropriate engineering controls

Ensure Good Ventilation of the work station. Handle material in accordance with good industrial hygiene and safety practices. Avoid release into the environment.

## 8.3 Individual protection measures, such as personal protective equipment (PPE)

### Pictograms



### Eye/face protection

Wear chemical goggles or safety glasses.

### Skin protection

Wear protective gloves.

### Body protection

Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

### Respiratory protection

Wear respiratory protection.

### Thermal hazards

No data available

### Environmental exposure controls



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Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Liquid; Pale yellow to light yellow
Odor	Characteristic; Matching Retainer Sample
Odor threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	75 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability limits	No data available
Upper/lower explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	0.986 (0.976 - 0.996)
Solubility(ies)	Insoluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

#### Other safety information

Refractive index : 1.495 (1.485 - 1.505)

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

None under normal use conditions.

#### 10.2 Chemical stability

Stable under recommended use, transport, and storage conditions.

#### 10.3 Possibility of hazardous reactions

None under normal use conditions.

#### 10.4 Conditions to avoid

Avoid contact with hot surfaces as well as heat, flames, sparks, and all sources of ignition.

#### 10.5 Incompatible materials

No additional information available.

#### 10.6 Hazardous decomposition products

On combustion may produce smoke, carbon monoxide, and carbon dioxide.

### SECTION 11: Toxicological information

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## Reindeer Retreat Fragrance Oil

### Information on toxicological effects

#### Acute toxicity

OIL, REINDEER RETREAT III\* (N/A)

ATE US (vapors) 0.753 mg/l/4h

BENZYL BENZOATE (120-51-4)

LD50 oral > 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Experimental value, Oral, 14 day(s))

LD50 dermal > 2 ml/kg (Modification of Draize 1959 method, 4 h, Experimental value, Dermal)

ATE US (oral) 1500 mg/kg body weight

ATE US (dermal) 4000 mg/kg body weight

ORANGE TERPENES (68647-72-3)

LD50 oral > 2000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Read-across, Oral)

LD50 dermal rabbit > 5000 mg/kg body weight (Equivalent or similar to OECD 402, Weight of evidence, Dermal)

DIHYDROMYRCENOL (18479-58-8)

ATE US (oral) 3600 mg/kg body weight

LINALOOL (78-70-6)

LD50 oral 2790 mg/kg

LD50 dermal 5610 mg/kg

LD50 dermal > 5000 mg/kg

ATE US (oral) 2790 mg/kg body weight

ATE US (dermal) 5610 mg/kg body weight

CAMPHOR (76-22-2)

ATE US (oral) 1500 mg/kg body weight

ATE US (gases) 4500 ppmV/4h

ATE US (vapors) 11 mg/l/4h

ATE US (dust, mist) 1.5 mg/l/4h

CITRONELLOL (106-22-9)

LD50 oral 3450 mg/kg (Inconclusive, insufficient data, Oral)

LD50 dermal 2650 mg/kg (Inconclusive, insufficient data, Dermal)

ATE US (oral) 3450 mg/kg body weight

ATE US (dermal) 2650 mg/kg body weight

ISOBORNYL ACETATE (125-12-2)

LD50 oral > 10000 mg/kg (Oral)

LD50 dermal > 20000 mg/kg (Dermal)

EUGENOL (97-53-0)

LD50 oral > 2000 mg/kg body weight (Equivalent or similar to OECD 423, Experimental value, Oral)

LC50 inhalation (mg/l) > 2.6 mg/l air (Equivalent or similar to OECD 403, 4 h, Experimental value, Inhalation (aerosol))

ATE US (oral) 2300 mg/kg body weight

p-t-Butyl- $\alpha$ -methylhydrocinnamic aldehyde (80-54-6)

LD50 oral 1390 mg/kg (Equivalent or similar to OECD 401, Experimental value, Oral, 14 day(s))

LD50 dermal > 2000 mg/kg (Equivalent or similar to OECD 402, Experimental value, Dermal, 14 day(s))

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LC50 inhalation (mg/l) > 0.18 mg/l (IRT (inhalation risk test), 7 h, Experimental value, Inhalation (vapours), 14 day(s))

ATE US (oral) 1390 mg/kg body weight

ATE US (vapors) 0.05 mg/l/4h

AMYL SALICYLATE (2050-08-0)

ATE US (oral) 2000 mg/kg body weight

ALPHA HEXYLCINNAMALDEHYDE (101-86-0)

ATE US (oral) 3100 mg/kg body weight

DIETHYL PHTHALATE (84-66-2)

LD50 oral 8600 mg/kg (Oral)

LD50 dermal > 7940 mg/kg (Dermal)

LC50 inhalation (mg/l) > 5 mg/l (4 h, Inhalation)

ATE US (oral) 8600 mg/kg body weight

ATE US (vapors) 3 mg/l/4h

BENZYL SALICYLATE (118-58-1)

LD50 oral 2227 mg/kg

LD50 dermal 14150 mg/kg (

ATE US (oral) 2200 mg/kg body weight

ATE US (dermal) 14150 mg/kg body weight

EUCALYPTUS OIL (8000-48-4)

ATE US (oral) 2569 mg/kg body weight

#### **Skin corrosion/irritation**

Irritating to skin.

#### **Serious eye damage/irritation**

Causes serious eye irritation.

#### **Respiratory or skin sensitization**

May cause an allergic skin reaction

#### **Germ cell mutagenicity**

Not classified

#### **Carcinogenicity**

ORANGE TERPENES (68647-72-3)

IARC group 3 - Not classifiable

EUGENOL (97-53-0)

IARC group 3 - Not classifiable

#### **Reproductive toxicity**

May damage fertility or the unborn child

#### **STOT-single exposure**

May cause damage to organs.

#### **STOT-repeated exposure**

May cause damage to organs through prolonged or repeated exposure

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### Aspiration hazard

May be fatal if swallowed and enters airways. Risk of lung edema.

## SECTION 12: Ecological information

### Toxicity

BENZYL BENZOATE (120-51-4)

LC50 fish 1 2.32 mg/l (EU Method C.1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)

EC50 Daphnia 1 3.09 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)

ORANGE TERPENES (68647-72-3)

LC50 fish 1 720 µg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)

EC50 Daphnia 1 0.36 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)

LINALOOL (78-70-6)

EC50 Daphnia 1 59 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)

EC50 other aquatic organisms 1 >= 100 mg/l (3 h; Activated sludge)

LC50 fish 2 27.8 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Salmo gairdneri)

Threshold limit algae 1 88.3 mg/l (EC50; 96 h)

CITRONELLOL (106-22-9)

LC50 fish 1 10 - 22 mg/l (96 h, Leuciscus idus)

EC50 Daphnia 1 17 mg/l (48 h, Daphnia magna)

LINALYL ACETATE (115-95-7)

LC50 fish 1 11 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Cyprinus carpio)

EC50 Daphnia 1 15 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna)

ISOBORNYL ACETATE (125-12-2)

LC50 fish 1 10 - 18 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Brachydanio rerio)

EUGENOL (97-53-0)

LC50 fish 1 13 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)

EC50 Daphnia 1 1.13 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)

ErC50 (algae) 24 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP)

p-t-Butyl- $\alpha$ -methylhydrocinnamic aldehyde (80-54-6)

LC50 fish 1 2.04 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Flow-through system, Fresh water, Experimental value, GLP)

EC50 Daphnia 1 10.7 mg/l (Other, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)

DIETHYL PHTHALATE (84-66-2)

LC50 fish 1 17 ppm (96 h, Pimephales promelas, Flow-through system)

EC50 Daphnia 1 52 mg/l (48 h, Daphnia magna)

### Persistence and degradability

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BENZYL BENZOATE (120-51-4)  
Persistence and degradability Readily biodegradable in water.

ORANGE TERPENES (68647-72-3)  
Persistence and degradability Readily biodegradable in water.  
ThOD 3.29 g O<sub>2</sub> /g substance

DIHYDROMYRCENOL (18479-58-8)  
Persistence and degradability Biodegradability in water: no data available.

LINALOOL (78-70-6)  
Persistence and degradability Readily biodegradable in water.  
Biochemical oxygen demand (BOD) 1.531 g O<sub>2</sub> /g substance  
Chemical oxygen demand (COD) 2.808 g O<sub>2</sub> /g substance

CITRONELLOL (106-22-9)  
Persistence and degradability Readily biodegradable in water.  
Chemical oxygen demand (COD) 2.05 g O<sub>2</sub> /g substance  
ThOD 2.961 g O<sub>2</sub> /g substance

LINALYL ACETATE (115-95-7)  
Persistence and degradability Readily biodegradable in water.

ISOBORNYL ACETATE (125-12-2)  
Persistence and degradability Readily biodegradable in water.

EUGENOL (97-53-0)  
Persistence and degradability Readily biodegradable in water.

p-t-Butyl- $\alpha$ -methylhydrocinnamic aldehyde (80-54-6)  
Persistence and degradability Readily biodegradable in water.

DIETHYL PHTHALATE (84-66-2)  
Persistence and degradability Biodegradable in the soil. Readily biodegradable in water.

BENZYL SALICYLATE (118-58-1)  
Persistence and degradability Biodegradability in water: no data available

#### **Bioaccumulative potential**

BENZYL BENZOATE (120-51-4)  
BCF fish 1 2.286 (BCFBAF v3.00, Pisces, QSAR)  
Log Pow 3.97 (Experimental value, 25 °C)  
Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).

ORANGE TERPENES (68647-72-3)  
BCF fish 1 864.8 - 1022 (Pisces, QSAR, Fresh weight)  
Log Pow 4.38 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 37 °C)  
Bioaccumulative potential Potential for bioaccumulation (4  $\geq$  Log Kow  $\leq$  5).

DIHYDROMYRCENOL (18479-58-8)  
Log Pow 3.47 (Estimated value)  
Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).

LINALOOL (78-70-6)

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Log Pow 2.84 - 3.145  
Bioaccumulative potential Bioaccumable.

CITRONELLOL (106-22-9)  
Log Pow 3.41 - 3.91

LINALYL ACETATE (115-95-7)  
Log Pow 3.93 (Experimental value)  
Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).

ISOBORNYL ACETATE (125-12-2)  
Log Pow 3.5 (QSAR)  
Bioaccumulative potential No bioaccumulation data available.

EUGENOL (97-53-0)  
Log Pow 1.83 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 30 °C)  
Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).

p-t-Butyl- $\alpha$ -methylhydrocinnamic aldehyde (80-54-6)  
Log Pow 4.2 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 24 °C)  
Bioaccumulative potential Potential for bioaccumulation ( $4 \geq \text{Log Kow} \leq 5$ ).

DIETHYL PHTHALATE (84-66-2)  
BCF fish 1 15 - 16 (Mugil cephalus)  
BCF fish 2 117.5 (504 h, Lepomis macrochirus)  
BCF other aquatic organisms 1 1100 ppb (Ostreidae, Fresh weight)  
BCF other aquatic organisms 2 340 - 450 ppb (Lamellibranchiata, Fresh weight)  
Log Pow 1.4 - 2.82  
Bioaccumulative potential Low potential for bioaccumulation (BCF < 500).

BENZYL SALICYLATE (118-58-1)  
Log Pow 4.31 (Estimated value)

### Mobility in soil

BENZYL BENZOATE (120-51-4)  
Surface tension 0.027 N/m (210 °C)  
Log Koc 3.8 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)  
Ecology - soil Low potential for mobility in soil.

ORANGE TERPENES (68647-72-3)  
Ecology - soil Adsorbs into the soil.

DIHYDROMYRCENOL (18479-58-8)  
Ecology - soil No (test)data on mobility of the substance available.

LINALYL ACETATE (115-95-7)  
Ecology - soil Adsorbs into the soil.

EUGENOL (97-53-0)  
Ecology - soil No (test)data on mobility of the substance available.

p-t-Butyl- $\alpha$ -methylhydrocinnamic aldehyde (80-54-6)  
Log Koc 3.11 (log Koc, PCKOCWIN v1.66, Calculated value)

# Safety Data Sheet

## Reindeer Retreat Fragrance Oil

Ecology - soil Low potential for mobility in soil.

DIETHYL PHTHALATE (84-66-2)  
Surface tension 0.0375 N/m (20 °C)

### Other adverse effects

Avoid release to the environment.

## SECTION 13: Disposal considerations

### Disposal of the product

Dispose of contents/container in accordance with licensed collector's sorting instructions as well as local, state, federal and/or international regulations.

### Disposal of contaminated packaging

Dispose of as unused product, following federal, state, and local regulations.

### Waste treatment

Waste packaging should be recycled or reused whenever possible. If recycling is not feasible, contaminated packaging should be disposed of in accordance with all local, state, and federal regulations. Regulations vary by region.

### Sewage disposal

Avoid release into sewers or other public water ways.

## SECTION 14: Transport information

### DOT (US)

Not applicable

### IMDG

Not applicable

### IATA

Not applicable

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

#### SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### Toxic Substances Control Act (TSCA) Inventory

All components are listed on the United States Toxic Substances Control Act (TSCA) inventory.

#### Canadian Domestic Substances List (DSL)

All components are listed on the Canadian Domestic Substances List (DSL).

# Safety Data Sheet

## Reindeer Retreat Fragrance Oil

### California Prop. 65 Components

WARNING! This product contains myrcene, a chemical known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### Massachusetts Right To Know Components

Diethyl phthalate  
CAS number: 84-66-2

### New Jersey Right To Know Components

2-(4-tert-Butylbenzyl)propionaldehyde  
CAS-No. 80-54-6

### New Jersey Right To Know Components

Linalyl acetate  
CAS-No. 115-95-7

### New Jersey Right To Know Components

Diethyl phthalate  
CAS number: 84-66-2

### New Jersey Right To Know Components

Orange terpenes -Yes

### New Jersey Right To Know Components

Common name: CAMPHOR  
CAS number: 76-22-2

### New Jersey Right To Know Components

Linalool  
CAS-No. 78-70-6

### New Jersey Right To Know Components

Eucalyptus globulus, ext.  
CAS-No. 84625-32-1

### New Jersey Right To Know Components

4-(4-Hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde  
CAS-No. 31906-04-4

### New Jersey Right To Know Components

Benzyl salicylate  
CAS-No. 118-58-1

### Pennsylvania Right To Know Components

2-(4-tert-Butylbenzyl)propionaldehyde  
CAS-No. 80-54-6



# Safety Data Sheet

## Reindeer Retreat Fragrance Oil

### Pennsylvania Right To Know Components

Linalyl acetate  
CAS-No. 115-95-7

### Pennsylvania Right To Know Components

Diethyl phthalate  
CAS number: 84-66-2

### Pennsylvania Right To Know Components

Orange terpenes -Yes

### Pennsylvania Right To Know Components

Linalool  
CAS-No. 78-70-6

### Pennsylvania Right To Know Components

Eucalyptus globulus, ext.  
CAS-No. 84625-32-1

### Pennsylvania Right To Know Components

4-(4-Hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde  
CAS-No. 31906-04-4

### Pennsylvania Right To Know Components

Benzyl salicylate  
CAS-No. 118-58-1

### Pennsylvania Right To Know Components

Chemical name: Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-  
CAS number: 76-22-2

## SECTION 16: Other information

SDS Version: 1.0  
Revision Date: 01/09/2019

### 16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Bulk Apothecary be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Bulk Apothecary has been advised of the possibility of such damages.