

## SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** Pine Fragrance FOBP-99

**Version:** 2

### Section 1. Identification of the substance or the mixture and of the supplier

#### 1.1 Product Identifier

**Product identifier:** Pine Fragrance

**Other identifiers:** None

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

**Product uses:** Fragrances

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

**Company name:** Ancient Wisdom Ltd

**Company address:** Parkwood Business Park  
75 Parkwood Road  
Sheffield  
S3 8AL

**Contact:** Regulatory Affairs

**E-Mail address:** care@ancientwisdom.biz

**Company phone:** 0114 2729165

#### 1.4 Emergency telephone number

**Emergency phone:** 0114 2729165

### Section 2. Hazards identification

#### 2.1 Classification of the substance or mixture

##### **Classification under Regulation (EC) No 1272/2008**

**Class and category of danger:** Skin Corrosion / Irritation Category 2  
Eye Damage / Irritation Category 2  
Sensitization - Skin Category 1  
Toxic to Reproduction Category 2  
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.  
H361, Suspected of damaging fertility or the unborn child (exposure route).  
H411, Toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

##### **Classification under Regulation (EC) No 1272/2008**

**Signal word:** Warning

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**Hazard statements:** H315, Causes skin irritation.  
H317, May cause an allergic skin reaction.  
H319, Causes serious eye irritation.  
H361, Suspected of damaging fertility or the unborn child (exposure route).  
H411, Toxic to aquatic life with long lasting effects.

**M factor:** None

**Supplemental Information:** None

**Precautionary statements:** P202, Do not handle until all safety precautions have been read and understood.  
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.  
P308/313, IF exposed or concerned: Get medical advice/attention.  
P333/313, If skin irritation or rash occurs: Get medical advice/attention.  
P337/313, If eye irritation persists: Get medical advice/attention.  
P362, Take off contaminated clothing and wash before reuse.  
P391, Collect spillage.  
P405, Store locked up.  
P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

**Pictograms:**



**Other hazards:** None

### Section 3. Composition / information on ingredients

#### 3.1 Substances

**Product identifier:** Pine Fragrance

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**Contains:**

| Name                                              | CAS        | EC        | REACH Registration No. | %       | Classification for (CLP) 1272/2008                                      |
|---------------------------------------------------|------------|-----------|------------------------|---------|-------------------------------------------------------------------------|
| Dihydromyrcenol                                   | 18479-58-8 | 242-362-4 |                        | 10-<20% | SCI 2-EDI 2;H315-H319,-                                                 |
| Isoamyl salicylate                                | 87-20-7    | 201-730-4 |                        | 5-<10%  | EH C2;H411,-                                                            |
| d-Limonene                                        | 5989-27-5  | 227-813-5 |                        | 1-<5%   | FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H304-H315-H317-H410,-            |
| cis-2-tert-Butylcyclohexyl acetate                | 20298-69-5 | 243-718-1 |                        | 1-<5%   | EH C2;H411,-                                                            |
| p-t-Butyl-alpha-methylhydrocinnamic aldehyde      | 80-54-6    | 201-289-8 |                        | 1-<5%   | ATO 4-SCI 2-SS 1B-REP 2-EH C3;H302-H315-H317-H361-H412,-                |
| Benzyl acetate                                    | 140-11-4   | 205-399-7 |                        | 1-<5%   | EH C3;H412,-                                                            |
| Linalyl acetate                                   | 115-95-7   | 204-116-4 |                        | 1-<5%   | SCI 2-SS 1B;H315-H317,-                                                 |
| Phenethyl alcohol                                 | 60-12-8    | 200-456-2 |                        | 1-<5%   | ATO 4-EDI 2;H302-H319,-                                                 |
| trans-Anethole                                    | 4180-23-8  | 224-052-0 |                        | 1-<5%   | SS 1B;H317,-                                                            |
| Linalool                                          | 78-70-6    | 201-134-4 |                        | 1-<5%   | SCI 2-EDI 2-SS 1B;H315-H317-H319,-                                      |
| alpha-Terpineol                                   | 98-55-5    | 202-680-6 |                        | 1-<5%   | SCI 2-EDI 2;H315-H319,-                                                 |
| beta-Pinene                                       | 127-91-3   | 204-872-5 |                        | 0.1-<1% | FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H304-H315-H317-H410,-            |
| 2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde        | 68039-49-6 | 268-264-1 |                        | 0.1-<1% | SCI 2-EDI 2-SS 1B-EH C2;H315-H317-H319-H411,-                           |
| alpha-Pinene                                      | 80-56-8    | 201-291-9 |                        | 0.1-<1% | FL 3-ATO 4-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H302-H304-H315-H317-H410,- |
| Phenethyl acetate                                 | 103-45-7   | 203-113-5 |                        | 0.1-<1% | EDI 1;H318,-                                                            |
| 4-tert-Butylcyclohexyl acetate                    | 32210-23-4 | 250-954-9 |                        | 0.1-<1% | SS 1B;H317,-                                                            |
| alpha-iso-Methylionone                            | 127-51-5   | 204-846-3 |                        | 0.1-<1% | SS 1B-EH C2;H317-H411,-                                                 |
| 10-Undecenal                                      | 112-45-8   | 203-973-1 |                        | 0.1-<1% | SCI 2-EDI 2-SS 1B-EH C3;H315-H317-H319-H412,-                           |
| Eucalyptol                                        | 470-82-6   | 207-431-5 |                        | 0.1-<1% | FL 3-SS 1B;H226-H317,-                                                  |
| l-Limonene                                        | 5989-54-8  | 227-815-6 |                        | 0.1-<1% | FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H304-H315-H317-H410,-            |
| Myrcene                                           | 123-35-3   | 204-622-5 |                        | 0.1-<1% | FL 3-SCI 2-EDI 2-AH 1-EH A1-EH C2;H226-H304-H315-H319-H400-H411,-       |
| alpha-Cedrene                                     | 469-61-4   | 207-418-4 |                        | 0.1-<1% | AH 1-EH A1-EH C1;H304-H410,-                                            |
| delta-3-Carene                                    | 13466-78-9 | 236-719-3 |                        | 0.1-<1% | FL 3-SCI 2-SS 1-AH 1-EH A1-EH C1;H226-H304-H315-H317-H410,-             |
| Tetrahydro-4-methyl-2-(2-methylpropen-1-yl) pyran | 16409-43-1 | 240-457-5 |                        | 0.1-<1% | SCI 2-EDI 2-REP 2;H315-H319-H361,-                                      |
| Cinnamyl alcohol                                  | 104-54-1   | 203-212-3 |                        | 0.1-<1% | SS 1B;H317,-                                                            |

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### **Section 4. First-aid measures**

#### **4.1 Description of first aid measures**

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

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

IF exposed or concerned: Get medical advice/attention.

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

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Suspected of damaging fertility or the unborn child (exposure route).

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

None expected, see Section 4.1 for further information.

### **SECTION 5: Firefighting 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.

### **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.

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### 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.

## 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

|                         |                                        |
|-------------------------|----------------------------------------|
| <b>Appearance:</b>      | Clear colourless to pale yellow liquid |
| <b>Odour:</b>           | Not determined                         |
| <b>Odour threshold:</b> | Not determined                         |
| <b>pH:</b>              | Not determined                         |

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|                                                      |                                              |
|------------------------------------------------------|----------------------------------------------|
| <b>Melting point / freezing point:</b>               | Not determined                               |
| <b>Initial boiling point / range:</b>                | Not determined                               |
| <b>Flash point:</b>                                  | 82 °C                                        |
| <b>Evaporation rate:</b>                             | Not determined                               |
| <b>Flammability (solid, gas):</b>                    | Not determined                               |
| <b>Upper/lower flammability or explosive limits:</b> | Product does not present an explosion hazard |
| <b>Vapour pressure:</b>                              | 0.136242                                     |
| <b>Vapour density:</b>                               | Not determined                               |
| <b>Relative density:</b>                             | 0.9720 - 0.9760                              |
| <b>Solubility(ies):</b>                              | Not determined                               |
| <b>Partition coefficient: n-octanol/water:</b>       | Not determined                               |
| <b>Auto-ignition temperature:</b>                    | Not determined                               |
| <b>Decomposition temperature:</b>                    | Not determined                               |
| <b>Viscosity:</b>                                    | Not determined                               |
| <b>Explosive properties:</b>                         | Not expected                                 |
| <b>Oxidising properties:</b>                         | Not expected                                 |

**9.2 Other information:** None available

### 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:**

Not expected.

### Section 11. Toxicological information

#### **11.1 Information on toxicological effects**

|                        |                                                                  |
|------------------------|------------------------------------------------------------------|
| <b>Acute Toxicity:</b> | Based on available data the classification criteria are not met. |
| Acute Toxicity Oral    | >5000                                                            |

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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 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:** Toxic to Reproduction Category 2  
**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     | EC        | LD50/ATE Oral | LD50/ATE Dermal | LC50/ATE Inhalation | LC50 Route    |
|----------------------------------------------|---------|-----------|---------------|-----------------|---------------------|---------------|
| Phenethyl alcohol                            | 60-12-8 | 200-456-2 | 1610          | 2500            | Not available       | Not available |
| p-t-Butyl-alpha-methylhydrocinnamic aldehyde | 80-54-6 | 201-289-8 | 1390          | Not available   | Not available       | Not available |

Refer to Sections 2 and 3 for additional information.

### Section 12. Ecological information

#### 12.1 Toxicity:

Toxic 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 Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

**12.6 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. Transport information

**14.1 UN number:** UN3082

**14.2 UN Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (d-Limonene, beta-Pinene)

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**14.3 Transport hazard class(es):** 9

**Sub Risk:** -

**14.4. Packing Group:** III

**14.5 Environmental hazards:** This is an environmentally hazardous substance.

**14.6 Special precautions for user:** None additional

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

Not applicable

### Section 15. Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

None additional

**15.2 Chemical Safety Assessment**

A Chemical Safety Assessment has not been carried out for this product.

### Section 16. Other information

**Concentration % Limits:** EH C2=36.44% EH C3=3.61% SCI 2=43.88% EDI 2=57.77% SS 1=21.51% REP 2=83.33%

**Total Fractional Values:** EH C2=2.74 EH C3=27.70 SCI 2=2.28 EDI 2=1.73 SS 1=4.65 REP 2=1.20

**Key to revisions:**

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.3. Transport hazard class(es)

14.4. Packing group

Classification under Regulation (EC) No 1272/2008

Classification under Regulation (EC) No 1272/2008

Concentration % Limits

Information about hazardous ingredients in the mixture

Information about hazardous ingredients in the mixture

Product identifier

SECTION 3: Composition/information on ingredients

Total Fractional Values

**Key to abbreviations:**

| Abbreviation | Meaning                                                        |
|--------------|----------------------------------------------------------------|
| AH 1         | Aspiration Hazard Category 1                                   |
| ATO 4        | Acute Toxicity - Oral Category 4                               |
| EDI 1        | Eye Damage / Irritation Category 1                             |
| EDI 2        | Eye Damage / Irritation Category 2                             |
| EH A1        | Hazardous to the Aquatic Environment - Acute Hazard Category 1 |

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|              |                                                                                                                                  |
|--------------|----------------------------------------------------------------------------------------------------------------------------------|
| EH C1        | Hazardous to the Aquatic Environment - Long-term Hazard Category 1                                                               |
| EH C2        | Hazardous to the Aquatic Environment - Long-term Hazard Category 2                                                               |
| EH C3        | Hazardous to the Aquatic Environment - Long-term Hazard Category 3                                                               |
| FL 3         | Flammable Liquid, Hazard Category 3                                                                                              |
| H226         | Flammable liquid and vapour.                                                                                                     |
| H302         | Harmful if swallowed.                                                                                                            |
| H304         | May be fatal if swallowed and enters airways.                                                                                    |
| H315         | Causes skin irritation.                                                                                                          |
| H317         | May cause an allergic skin reaction.                                                                                             |
| H318         | Causes serious eye damage.                                                                                                       |
| H319         | Causes serious eye irritation.                                                                                                   |
| H361         | Suspected of damaging fertility or the unborn child (exposure route).                                                            |
| H400         | Very toxic to aquatic life.                                                                                                      |
| H410         | Very toxic to aquatic life with long lasting effects.                                                                            |
| H411         | Toxic to aquatic life with long lasting effects.                                                                                 |
| H412         | Harmful to aquatic life with long lasting effects.                                                                               |
| P202         | Do not handle until all safety precautions have been read and understood.                                                        |
| P210         | Keep away from heat, sparks, open flames and hot surfaces. - No smoking.                                                         |
| P233         | Keep container tightly closed.                                                                                                   |
| P240         | Ground/bond container and receiving equipment.                                                                                   |
| P241         | Use explosion-proof electrical, ventilating and lighting equipment.                                                              |
| P242         | Use only non-sparking tools.                                                                                                     |
| P243         | Take precautionary measures against static discharge.                                                                            |
| P261         | Avoid breathing vapour 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.                                                                           |
| P301/310     | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.                                                              |
| P301/312     | IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.                                                       |
| P302/352     | IF ON SKIN: Wash with plenty of soap and water.                                                                                  |
| P303/361/353 | IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.                       |
| P305/351/338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P308/313     | IF exposed or concerned: Get medical advice/attention.                                                                           |
| P310         | Immediately call a POISON CENTER or doctor/physician.                                                                            |
| P330         | Rinse mouth.                                                                                                                     |
| P331         | Do not induce vomiting.                                                                                                          |
| P332/313     | If skin irritation occurs: Get medical advice/attention.                                                                         |
| P333/313     | If skin irritation or rash occurs: Get medical advice/attention.                                                                 |
| P337/313     | If eye irritation persists: Get medical advice/attention.                                                                        |

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|          |                                                                                                |
|----------|------------------------------------------------------------------------------------------------|
| P362     | Take off contaminated clothing and wash before reuse.                                          |
| P363     | Wash contaminated clothing before reuse.                                                       |
| P370/378 | In case of fire: Use carbon dioxide, dry chemical, foam for extinction.                        |
| P391     | Collect spillage.                                                                              |
| P403/235 | Store in a well-ventilated place. Keep cool.                                                   |
| P405     | Store locked up.                                                                               |
| P501     | Dispose of contents/container to approved disposal site, in accordance with local regulations. |
| REP 2    | Toxic to Reproduction Category 2                                                               |
| SCI 2    | Skin Corrosion / Irritation Category 2                                                         |
| SS 1     | Sensitization - Skin Category 1                                                                |
| SS 1B    | Sensitization - Skin Category 1B                                                               |

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.