



Essential Oils Direct Ltd

## Safety Data Sheet

**01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING**

| 1.1 Product Identifier  |            |   |           |            |           |
|---|------------|---|-----------|------------|-----------|
| Product Name  |            | Fir Needle Oil (Sibirica)   |           |            |           |
| Biological Definition   |            | Abies Sibirica Oil is the volatile oil distilled from the needles and branches of <i>Abies sibirica</i> , <i>Pinaceae</i> |           |            |           |
| INCI Name   |            | Abies Sibirica Oil  |           |            |           |
| Synonyms & Trade Names  |            | -   |           |            |           |
| CAS-No  | 91697-89-1 | EC No.  | 294-351-9 | EINECS No. | 294-351-9 |
| 1.2 Relative identified uses of the substance or mixture and uses advised against                 |            |   |           |            |           |
| No additional data available.   |            |   |           |            |           |
| 1.3 Details of the supplier of the safety data sheet  |            |   |           |            |           |
| Essential Oils Direct Ltd 13 Parkside Industrial Estate, Royton, Oldham OL2 6DS - Reg No 04199912 |            |   |           |            |           |
| 1.4 Emergency Tel. No.  |            | + 44 (0) 161 633 3952   |           |            |           |

**02. HAZARDS IDENTIFICATION**

| 2.1 Classification of the substance or mixture  |  |
|---|--|
| The Full Text for all Hazard Statements are displayed in Section 16.  |  |
| Classification (EC 1272/2008)   |  |
| Flam. Liq. 3 (H226)<br>Asp. Tox. 1 (H304)<br>Eye Irrit. 2 (H319)<br>Skin Sens. 1 (H317)<br>Aqu. Chron. 1 (H410) |  |
| 2.2 Label Elements  |  |
| Label in accordance with (EC) No 1272/2008  |  |
| GHS08    GHS09    GHS07    GHS02<br>  |  |
| Signal Word   | Danger   |
| Contains  | Delta-3-Carene, alpha-Pinene, beta-Pinene, Limonene, Camphene. |
| Hazard Statements   |  |
| H226  | Flammable liquid and vapour.                                   |
| H304  | May be fatal if swallowed and enters airways.                  |
| H319  | Causes serious eye irritation.                                 |
| H317  | May cause an allergic skin reaction.                           |
| H410  | Very toxic to aquatic life with long lasting effects.          |
| Precautionary Statements  |  |

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Revision Date: 24/09/2015

Rev No/Repl SDS Generated 01

|   |  |
|---|--|
| P210  | Keep away from heat/sparks/open flames/hot surfaces. No smoking.   |
| P305+P351                                     | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P280  | Wear protective gloves/protective clothing and eye/face protection.  |
| P301+P330+P331                                | IF SWALLOWED: rinse mouth. Do NOT induce vomiting.   |
| P310  | Immediately call a POISON CENTER or doctor/physician.  |
| P273  | Avoid release to the environment.  |
| P501  | Dispose of contents/container to regional, national regulation.  |
| <b>Supplementary Precautionary Statements</b> |  |
| None.   |  |
| <b>2.3 Other Hazards</b>                      |  |
| PBT or vPvB according to Annex XIII           | No additional data available.  |
| Adverse physio-chemical properties            | No additional data available.  |
| Adverse effects on human health               | No additional data available.  |

### **03. COMPOSITION/INFORMATION ON INGREDIENTS**

|   |  |
|---|--|
| <b>3.2 Mixtures</b>   |  |
| <b>18-30% Limonene</b> CAS-No.: 5989-27-5 EC No.: 227-813-5   |  |
| Classification (EC 1272/2008) Flam. Liq. 3 – H226, Skin Irrit 2 – H315 Asp Tox. 1 – H304, Skin Sens. 1 – H317<br>Aquatic Acute 1 – H400, Aquatic Chronic 1 – H410 |  |
| <b>15-25% Camphene</b> CAS-No 79-92-5, EC 201-234-8   |  |
| Classification (EC 1272/2008); Flam. Sol. 1 – H228, Eye Irrit 2 – H319, Aquatic Acute 1 – H400  |  |
| <b>15-25% alpha-Pinene</b> CAS-No.: 80-56-8 EC No.: 201-291-9   |  |
| Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304  |  |
| <b>2-6% beta-Pinene</b> Cas. No: 127-91-3 EC No: 204-872-5  |  |
| Classification (EC 1272/2008); Danger, Flam. Liq. 3 – H226, Skin Sens. 1 – H317 , Asp Tox. 1 – H304, Aquatic Chronic 1 – H410                                     |  |
| <b>1-5% delta-3-Carene</b> CAS-No.: 13466-78-9 EC No.: 236-719-3  |  |
| Classification (EC 1272/2008) Danger Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Sens. 1, H317   |  |

### **04. FIRST AID MEASURES**

|  |  |
|--|--|
| <b>4.1 Description of first aid measures</b> |  |
| Inhalation                                   | Do not leave affected person unattended, Remove victim out of the danger area.<br>Provide fresh air.   |
| Ingestion                                    | If swallowed rinse mouth. Do NOT induce vomiting.  |
| Skin Contact                                 | After contact with skin, wash immediately with plenty of water and soap. Remove contaminated clothing immediately.                                     |
| Eye Contact                                  | 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. |

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

Observe risk of aspiration if vomiting occurs.

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

Treat symptomatically

**05. FIRE-FIGHTING MEASURES****5.1 Extinguishing Media**

Foam  
Extinguishing powder  
Carbon dioxide (CO<sub>2</sub>)  
Avoid full water jet

**5.2 Special hazards arising from the product**

B (Fires of liquids or liquid turning substances).  
In case of fire toxic fumes like carbon monoxide and carbon dioxide may be liberated  
Burning produces heavy smoke.

**5.3 Advice for firefighters**

Move undamaged containers from immediate hazard area if it can be done safely.  
Use suitable breathing apparatus.  
Regard to self protection

**06. ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.  
Avoid contact with skin, eye and clothing.  
Remove all sources of ignition.  
Provide adequate ventilation.  
Give a warning to persons in the hazard area

**6.2 Environmental Precautions**

Do not allow to enter into surface water or drains.  
Cover drains.  
Prevent spread over a wide area (e.g. by containment or oil barriers).

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

Absorb with liquid-binding material ( e.g. sand, diatomaceous earth, acid- or universal binding agents).

**6.4 Reference to other sections**

See protective measures under point 7 and 8.

**07. HANDLING AND STORAGE****7.1 Precautions for safe handling**

Provide earthing of containers, equipment, pumps and ventilation facilities.  
Take precautionary measures against static discharges.  
Wear personal protective clothing (see chapter 8).  
Do not breathe gas/fume/vapour/spray.  
Use only in well-ventilated areas.  
When using do not eat, drink, smoke, sniff.

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

Keep container tightly closed.

**7.3 Specific end use(s)**

No additional data available.

**08. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters**

No additional data available.

**8.2 Exposure controls**

## Protective Equipment



|                                 |   |
|---------------------------------|---|
| Process Conditions              | Technical measures and the application of suitable work processes have priority over personal protection equipment.   |
| Engineering Measures            | No additional data available.   |
| Respiratory Equipment           | If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.   |
| Hand Protection                 | Use solvent and acid resistant protection gloves according to EN 374.<br>The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.<br>Take recovery periods for skin regeneration. |
| Eye Protection                  | Use protection goggles according to EN166.  |
| Other Protection                | Wear appropriate clothing to prevent any possibility of skin contact.   |
| Hygiene Measures                | Good personal hygiene practices are always advisable, especially when working with chemicals / oils.  |
| Personal Protection             | Use personal protection according to Directive 89/686/EEC.  |
| Skin Protection                 | Protective work clothing solvent resistant (should be checked regularly).   |
| Environmental Exposure Controls | Avoid discharging into drainage water. Only remove via authorised companies.  |

**09. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

|                                |                                |
|--------------------------------|--------------------------------|
| Appearance                     | Liquid                         |
| Colour                         | Colourless to slightly yellow. |
| Odour                          | Characteristic.                |
| Relative Density               | 0.875 - 0.898 @ 20°C           |
| Flash Point (°C)               | 42°C                           |
| Refractive Index               | 1.460 - 1.480 @ 20°C           |
| Melting Point (°C)             | No additional data available.  |
| Boiling Point (°C)             | No additional data available.  |
| Vapour Pressure                | No additional data available.  |
| Solubility in Water @20°C      | Insoluble in water.            |
| Auto-ignition temperature (°C) | No additional data available.  |

**9.2 Other information**

No additional data available.

**10. STABILITY AND REACTIVITY**

|   |
|---|
| <b>10.1 Reactivity</b>  |
| No dangerous reactions known.   |
| <b>10.2 Chemical stability</b>  |
| Product is stable at room temperature.  |
| <b>10.3 Possible hazardous reactions</b>  |
| No dangerous reactions expected if used according to specifications.  |
| <b>10.4 Conditions to Avoid</b>   |
| Temperatures more than room temperature will benefit the transfer from liquid to vapour phase and formation of explosive atmospheres.<br>Storing the product in open containers will benefit the formation of peroxides and derogate the quality. |
| <b>10.5 Incompatible materials</b>  |
| No additional data available.   |
| <b>10.6 Hazardous Decomposition Products</b>  |
| No dangerous decomposition products known.  |

**11. TOXOLOGICAL INFORMATION**

|  |  |
|--|--|
| <b>11.1 Information on toxicological effects</b> |  |
| Acute Toxicity                                   | Acute toxicity<br>LD50 (oral) in mg/kg: > 5000<br>LD50 (dermal) in mg/kg: > 5000 |
| Skin corrosion / irritation                      | No additional data available.  |
| Serious eye damage / irritation                  | No additional data available.  |
| Respiratory or skin sensitisation                | No additional data available.  |
| Germ Cell Mutagenicity                           | No additional data available.  |
| Carcinogenicity                                  | No additional data available.  |
| Reproductive toxicity                            | No additional data available.  |
| STOT-single exposure                             | No additional data available.  |
| STOT-repeated exposure                           | No additional data available.  |
| Aspiration hazard                                | No additional data available.  |
| Photo-toxicity                                   | No additional data available.  |
| Other Information                                | No additional data available.  |

**12. ECOLOGICAL INFORMATION**

|  |
|--|
| <b>12.1 Toxicity</b>                           |
| No additional data available.                  |
| <b>12.2 Persistence &amp; degradability</b>    |
| No additional data available.                  |
| <b>12.3 Bioaccumulation Potential</b>          |
| No additional data available.                  |
| <b>12.4 Mobility in soil</b>                   |
| No additional data available.                  |
| <b>12.5 Results of PBT and vPvB Assessment</b> |
| No additional data available.                  |

**12.6 Other adverse effects**

No additional data available.

**13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Hazardous waste according to waste regulation  
 Dispose according to legislation.  
 Delivery to an approved waste disposal company.  
 Non-contaminated packages may be recycled.

**14. TRANSPORT INFORMATION****14.1 UN number**

|             |      |
|-------------|------|
| UN No. Road | 1272 |
| UN No. SEA  | 1272 |
| UN No. AIR  | 1272 |

**14.2 UN proper shipping name**

PINE OIL

**14.3 Transport hazard class(es)**

ADR/RID/ADN Class: 3  
 ADR/RID/ADN Class: 3  
 IMDG Class 3  
 ICAO Class/Division

Transport Labels



EAC – 3Y  
 HIN – 30

**14.4 Packing group**

|                           |     |
|---------------------------|-----|
| ADR/RID/ADN Packing group | III |
| IMDG Packing group        | III |
| ICAO Packing group        | III |

**14.5 Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant

**14.6 Special precautions for user**

See section 6 to 8.

#### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

Packed and transferred according to transport regulations.

### 15. REGULATORY INFORMATION

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

##### Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

##### Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

##### EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

#### 15.2 Chemical safety assessment

No additional information available.

### 16. OTHER INFORMATION

|  |  |   |
|--|--|---|
| Hazard and/or Precautionary Statements in Full | H226<br>H228<br>H304<br>H315<br>H317<br>H319<br>H410<br>H411 | Flammable liquid and vapour.<br>Flammable solid.<br>May be fatal if swallowed and enters airways.<br>Causes skin irritation.<br>May cause an allergic skin reaction.<br>Causes serious eye irritation.<br>Very toxic to aquatic life with long lasting effects.<br>Toxic to aquatic life with long lasting effects. |
| Other Information                              | None.  |   |
| Revision Date                                  | 24/09/15   |   |
| Reason for revision                            | New SDS  |   |
| Rev No/Repl, SDS Generated                     | 01   |   |

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