Safety Data Sheet

In accordance with REACH Regulation EC No.1907/2006

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: Fir Needle Essential Oil

CAS number: 91697-89-1

EINECS number: -

INCI name: Abies Sibirica Oil

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

Products uses: Fragrances

1.3. Details of the supplier of the safety data sheet

Company name: Bath and Body Base Ltd
2A Laurel Way
Bishop Auckland
Co. Durham
DL14 7NF

Tel: 07493 064263

Email: sales@bathandbodybase.com

1.4. Emergency telephone number

Emergency tel: 07493 064263

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under Regulation (EC) No 1272/2008

Class and category of danger: Flammable Liquid, Hazard Category 3
Skin Corrosion / Irritation Category 2
Eye Damage / Irritation Category 2
Sensitization - Skin Category 1
Aspiration Hazard Category 1
Hazardous to the Aquatic Environment - Long-term Hazard Category 2
H226, Flammable liquid and vapour.
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.
H411, Toxic to aquatic life with long lasting effects.

2.2. Label elements

Classification under Regulation (EC) No 1272/2008

Hazard statements: H226, Flammable liquid and vapour.
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.
H411, Toxic to aquatic life with long lasting effects.

Signal words: Danger

M Factor: None

Supplemental Information: None

Hazard pictograms:



Precautionary statements:

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.
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.
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.
P331, Do not induce vomiting.
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.
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.

2.3. Other hazards

Other hazards: Hydrocarbon Concentration %: 72.5000%

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Section 3: Composition/information on ingredients

3.1. Substances

Product identity: Fir Needle Essential Oil; CAS: 91697-89-1

Contains:

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008	Specific Conc. Limits, M-factors & ATEs
dl-Limonene (isomer unspecified)	138-86-3	205-341-0		20-<50%	Flam. Liq. 3-Skin Irrit.2-Skin Sens. 1B-Asp.Tox 1-Aquatic Acute 1-Aquatic Chronic 3;H226-H304-H315-H317-H400-H412,-	M = 1
Camphene	79-92-5	201-234-8		20-<50%	Flam. Sol. 2-Aquatic Acute 1-Aquatic Chronic 1;H228-H410,-	M = 1-M = 1
alpha-Pinene	80-56-8	201-291-9		20-<50%	Flam. Liq. 3-Acute Tox.4-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H302-H304-H315-H317-H410,-	M = 1-M = 1-oral: ATE = 500mg/kg bw
beta-Pinene	127-91-3	204-872-5		5-<10%	Flam. Liq. 3-Skin Irrit.2-Skin Sens. 1B-Asp.Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H315-H317-H410,-	M = 1-M = 1
delta-3-Carene	13466-78-9	236-719-3		5-<10%	Flam. Liq. 3-Acute Tox.4-Skin Irrit. 2-Skin Sens. 1-Asp. Tox 1-Aquatic Chronic 2;H226-H304-H315-H317-H332-H411,-	inhalation: ATE = 1.5mg/l (dusts or mists)-oral: ATE = 4800mg/kg bw
l-Borneol	464-45-9	207-353-1		1-<5%	Flam. Sol. 1-Skin Irrit.2;H228-H315,-	M = 1-M = 1-oral: ATE = 3775mg/kg bw
Terpinolene	586-62-9	209-578-0		1-<5%	Skin Sens. 1B-Asp.Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H304-H317-H410,-	
beta-Caryophyllene	87-44-5	201-746-1		1-<5%	Skin Sens. 1B-Asp.Tox 1;H304-H317,-	
Myrcene	123-35-3	204-622-5		1-<5%	Flam. Liq. 3-Skin Irrit.2-Eye Irrit. 2-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 2;H226-H304-H315-H319-H400-H411,-	M = 1
p-Cymene	99-87-6	202-796-7		1-<5%	Flam. Liq. 3-Acute Tox.3-Repr. 2-Asp. Tox 1-Aquatic Chronic 2;H226-H304-H331-H361-H411,-	inhalation: ATE = 9.7mg/l (vapour)-oral: ATE = 4750mg/kg bw

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p-Mentha-1,4-diene	99-85-4	202-794-6		0.1-<1%	Flam. Liq. 3-Repr. 2-Asp. Tox 1-Aquatic Chronic 2;H226-H304-H361-H411,-	oral: ATE = 3650mg/kg bw
Geranyl acetate	105-87-3	203-341-5		0.1-<1%	Skin Irrit. 2-Skin Sens.1B-Aquatic Chronic 3;H315-H317-H412,-	
Linalool	78-70-6	201-134-4		0.1-<1%	Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1B;H315-H317-H319,-	oral: ATE = 2790mg/kg bw

Section 4: First aid measures

4.1. Description of first aid measures

Skin exposure: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

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

Ingestion: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Inhalation: Remove from exposure site to fresh air, keep at rest and obtain medical attention.

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

May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.

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

None expected, see Section 4.1 for further information.

Section 5: Fire-fighting 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.

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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.

6.4. Reference to other sections

Refer and consider Section 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.

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.

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Other:	Also refer to Sections 2 and 7.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state/colour:	Liquid, colourless to pale yellow
Odour:	Characteristic
Odour threshold:	Not determined
Melting point/freezing point:	Not determined
Boiling point or initial boiling point and boiling range:	Not determined
Flammability:	Not determined
Lower and upper explosion limit:	Not determined
Flash point:	40.5 °C
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not relevant
pH:	Not determined
Kinematic viscosity:	Not determined
Solubility:	Not determined
Partition coefficient: n-octanol/water (log value):	Not determined
Vapour pressure:	Not determined
Density and/or relative density:	0.8750 - 0.8980
Relative vapour density:	Not determined
Particle characteristics:	Not determined

9.2. Other information

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.

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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 product

Not expected.

Section 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity: Based on available data the classification criteria are not met.

Acute toxicity oral: >5000

Acute toxicity dermal: Not applicable

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: Based on available data the classification criteria are not met.

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: Aspiration Hazard Category 1

Information about hazardous ingredients in the mixture:

Ingredient	CAS	EC	LD50/ATE Oral (mg/kg)	LD50/ATE Dermal (mg/kg)	LC50/ATE Inhalation	LC50 Route
delta-3-Carene	13466-78-9	236-719-3	4800	Not available	1.5	Dust/mist mg/l
p-Cymene	99-87-6	202-796-7	4750	Not available	9.7	Vapour mg/l

Refer to Sections 2 and 3 for additional information.

11.2. Information on other hazards

Not applicable.

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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. Endocrine disrupting properties

Not applicable.

12.7. 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

	UN Number	UN Proper Shipping Name	Transport Hazard Class (es)	Sub Risk	Packing Group
UN Model Regulations	UN1272	PINE OIL	3	-	III
IMDG	UN1272	PINE OIL	3	-	III
ADR, RID, ADN	UN1272	PINE OIL	3	-	III
ICAO TI	UN1272	PINE OIL	3	-	III

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Environmental hazards:	This is classified as an environmentally hazardous substance under the UN Model Regulations. This is classified as a Marine Pollutant under the IMDG Code.
Special precautions for user:	None additional.
Maritime transport in bulk according to IMO instruments:	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

16.1. Other information

Concentration % limits:	SCI 2=14.49% SS 1=3.33% AH 1=13.79% EH A1=28.74% EH C1=46.30% EH C2=4.54% EH C3=0.45167118% EH C4=26.46%
Total fractional values:	SCI 2=6.90 SS 1=30.00 AH 1=7.25 EH A1=3.48 EH C1=2.16 EH C2=22.02 EH C3=221.40 EH C4=3.78
Other information:	* Indicates text in the SDS which has changed since the last revision.
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