

**01. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY UNDERTAKING****1.1 Product Identifier**

1.1 Product Identifier	Pine Needle Oil Sylvestris				
Biological Definition	Pinus Sylvestris Leaf Oil is the volatile oil obtained from the needles of the Scotch Pine, Pinus sylvestris L., Pinaceae				
INCI Name	Pinus Sylvestris Leaf Oil				
Synonyms Trade Names	-				
CAS Number	8023-99-2 84012-35-1	EC Number	281-679-2	EINECS No.	281-679-2

1.2 Relative identified uses of the substance or mixture and uses advised against

Perfumes, fragrances.

1.3 Details of the supplier of the safety data sheet

Calmer Solutions Limited - Hadresham, Woolborough Lane, Outwood, Surrey, England RH1 5QR - Reg No 4992013

1.4 Emergency Telephone Number

In case of a medical emergency following exposure to a chemical, call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 (UK Only)

02. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

Harmful/Dangerous for the environment

Classification (EC 1272 / 2008)

Physical and Chemical Hazards : Flam. Liq. 3 (H226) Human health Asp. : Asp. Tox. 1 - H304/Skin Sens. 1 (H317)/Environment : Aquatic Chronic 1 - H410

GHS07

GHS09

GHS08

GHS02

None



Signal Word

Danger

Contains

Alpha- Pinene, Beta-Pinene, Limonene, Camphene,

Hazard Statements

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.
H413 May cause long lasting harmful effects to aquatic life.

Precautionary Statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P301 IF SWALLOWED:
P330 Rinse mouth.
P331 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...

Supplementary Precautionary Statements

None Identified

2.3 Other Hazards

PBT or PvB 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

3.2 Mixtures

70 - 85 % Alpha-Pinene	CAS No: 80-56-8	EC No: 201-291-9
Classification (EC 1272/2008): Aquatic Acute 2 - H400, Chronic Aquatic 1 - H410, Skin Sens. 1 - H317, Skin Irrit 2 - H315, Asp. Tox. 1 - H304, Acute Tox. 5 - H503, Flam. Liq. 3 - H226		
2 - 7 % Beta-Pinene	CAS No: 127-91-3	EC No: 20-872-5
Classification (EC 1272/2008): Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Skin Irrit. 2 - H315, Skin Sens. 1 - H317		
3 - 7 % Limonene	CAS No: 5989-27-5	EC No: 227-813-5
Classification (EC 1272/2008): Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410		
1 - 5 % Camphene	CAS No: 79-92-5	EC No: 201-234-8
Classification (EC 1272/2008): Flam. Liq. 2 - H225, Eye Irrit. 2 - H319, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410		

04. FIRST AID MEASURES

4.1 Description of first aid measures

41 Inhalation:	If adequate ventilation is not provided, use respiratory equipment.
41 Ingestion:	Wear chemical resistant gloves (PVC) according to EN374. 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. Take recovery periods for skinregeneration.
41 Eye:	Wear appropriate clothing to prevent any possibility of skin contact.

41 Skin: Wear approved safety goggles according to EN166.

4.2 Most important symptoms and effects, both acute and delayed

Personal Protection

4.3 Indication of any immediate medical attention and special treatment needed

Environmental Exposure Controls

05. FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Carbon dioxide, Chemical Powder or Foam. Do not use a direct stream of water.

5.2 Special hazards arising from the product

In case of fire Carbon Monoxide and other unidentified organic compounds may be released.

5.3 Advice for firefighters

In case of insufficient ventilation use suitable respiratory equipment. Wear chemical protective clothing.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet. Handle the product using protective gloves resistant to the chemicals exposed. Avoid contact with skin, eyes and clothing. Maintain adequate ventilation in the work area after spilling.

6.2 Environmental Precautions

Do not discharge into drains, water courses or onto the ground. Contain spillages.

6.3 Methods and material for containment and clearing up

Cover with an inert, inorganic, non-combustible absorbent material (e.g dry-lime, sand, soda ash). Place in covered containers using non-sparking tools and transport outdoors. Dispose of in accordance with current laws and regulations.

6.4 Reference to other sections

Sections 7 and 8

07. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle in accordance with good hygiene and safety practice. Provide earthing of containers, equipment, pumps and ventilation facilities. Take precautionary measures against static discharges. Wear personal protective clothing (see section 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 and incompatibilities

Keep product container tightly closed, in a dry, ventilated area, away from potential sources of ignition and protected from light.

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

Goggles



Gloves



Overalls



None

None

Process Conditions:

Provide eyewash station.

Engineering Measures:

Provide adequate ventilation.

Respiratory Equipment:

Avoid inhalation of vapour.

Hand Protection:

Avoid skin contact. Wear protective gloves.

Eye Protection:

Wear protective goggles to prevent eye contact.

Other Protection:

Slip proof shoes may be worn in event of spillages.

Hygiene Measures:

Good personal hygiene practices are always advisable, especially when working with chemicals / oils.

Personal Protection:

Avoid inhalation of vapour and contact with skin and eyes.

Skin Protection

Wear overalls or laboratory coat to protect from skin contact.

Environmental

Exposure Controls:

Avoid discharging into drainage water.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:

Mobile Liquid

Colour:

Colourless to slight yellow

Flash Point:

36

Odour:

Characteristic

Relative Density:

0.857 - 0.875 @ 20°C

Refractive:

1.465 - 1.475 @ 20°C

Melting Point:

No additional data available

Boiling:

No additional data available

Vapour:

No additional data available

Solubility:

Insoluble in water. Soluble in Ethanol at a ratio of 1:5

Auto Ignition:

No additional data available.

9.2 Other Information

No additional data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Avoid contact with; strong oxidising agents, strong reducing agents, acids, bases, acid anhydride and alkalimetals.

10.2 Chemical Stability

Stable under the recommended handling and storage conditions.

10.3 Possible hazardous reactions

No hazardous reactions at proper usage and handling.

10.4 Conditions to avoid

Temperatures more than room temperature will benefit the transfer from liquid to vapour phase and formation of explosion

10.5 Incompatible materials

No additional data available

10.6 Hazardous Decomposition Products

No dangerous decomposition products known.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity:	LD50 (oral) in mg/kg: > 5000LD50 (dermal) in mg/kg: > 5000
Respiratory or skin sensitisation:	No additional data available
Skin corrosion/irritation:	No additional data available
Serious Eye damage/irritation:	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
Photo-toxicity:	No additional data available
Aspiration hazard:	No additional data available
Other Information:	No additional data available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No additional data available

12.2 Persistence Degradability

No additional data available.

12.3 Bioaccumulation Potential

No additional data available

12.4 Mobility in soil

No additional data available

12.5 Results of PBT and vPvB Assessment

No additional data available

12.6 Other adverse effects

Do not allow product to enter streams, sewers or other waterways. Water Hazard Class; WGK-2

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Collect and dispose of waste product in accordance with local authority guidelines using a hazardous chemical disposal company. Product remainders should not intrude soil or waters.

14. TRANSPORT INFORMATION

14.1 UN number

Road:	1272
Sea:	1272
Air:	1272

14.2 UN Proper shipping name

Pine Oil

14.3 Transport hazard class(es)

ADR/RID/ADN Class: 3 Flammable Liquid ADR/RID/ADN Class: 3 Flammable Liquid IMDG Class: 3
Flammable Liquid ICAO Class/Division: 3 Flammable Liquid Transport Labels

Cl. 3_140_s

Pine Oil

Pine Oil



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

Umwelt_140

Pine Oil

Pine Oil



14.6 Special precautions for users

See sections 6-8

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

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15. REGULATORY INFORMATION

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

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 or precaution	H226 Flammable liquid and vapour. H228 Flammable Solid 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. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects H411 Very toxic to aquatic life with long lasting effects.
Other Information::	None
Revision Date:	4/1/2022
Reason:	New SDS
Revision Number:	2

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