

S A L O M E





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Safety Data Sheet Organic Pine Essential Oil (*Pinus sylvestris*)

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

1.1 Product Identifier					
Product Name		Pine Oil Sylvestris Organic			
Biological Definition		Pinus Sylvestris Leaf Oil is the volatile oil obtained from the needles of the Scotch Pine, <i>Pinus sylvestris</i> L., <i>Pinaceae</i>			
INCI Name		Pinus Sylvestris Leaf Oil			
Synonyms & Trade Names		-			
CAS-No	8023-99-2 / 84012-35-1	EC No.	- / 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					
NHR Organic Oils, 24 Chatham Place, Brighton, BN1 3TN, UK. Email: info@nhrorganicoils.com					
1.4 Emergency Tel. No.		+44 (0) 1273 746505			

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		
2.2 Label Elements			
Label in accordance with (EC) No 1272/2008			
GHS07	GHS09	GHS08	GHS02
			
Signal Word		Danger	
Contains		α-pinene, β-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.			
H411 Very toxic to aquatic life with long lasting effects.			
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/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.
Supplementary Precautionary Statements	
None	
2.3 Other Hazards	
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

3.1 Substances	
70-85% alpha-Pinene	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	
2-7% beta-Pinene	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	
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 Asp Tox. 1 – H304, Skin Sens. 1 – H317 Aquatic Acute 1 – H400, Aquatic Chronic 1 – H410	
1-5% Camphene	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	

04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Remove immediately from source of exposure into fresh air. Seek medical attention if any discomfort continues.
Ingestion	DO NOT INDUCE VOMITING! Immediately rinse mouth and provide fresh air. Seek medical attention.
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Seek medical attention if any discomfort continues.
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Seek medical attention immediately. Continue to rinse.
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
Extinguishing media: Carbon dioxide (CO ₂). Powder. Foam. Unsuitable extinguishing media: Full water jet.
5.2 Special hazards arising from the product
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. Wear suitable equipment for self protection.


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 working 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 cleaning 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 any 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


Process Conditions	Provide eyewash station.
Engineering Measures	Provide adequate ventilation.
Respiratory Equipment	If adequate ventilation is not provided, use respiratory equipment.
Hand Protection	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 skin regeneration.
Eye Protection	Wear approved safety 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	Avoid contact with skin and eyes. Avoid inhalation of vapours.
Skin Protection	Wear apron or protective clothing in case of splashes.
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorised companies.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Mobile Liquid
Colour	Colourless to slight yellow
Odour	Characteristic
Relative Density	0.857 - 0.875 @ 20°C
Flash Point (°C)	36
Refractive Index	1.465 - 1.475 @ 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. Soluble in Ethanol at a ratio of 1:5
Auto-ignition temperature (°C)	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 alkali metals.

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 explosive atmospheres. Storing the product in open containers will benefit the formation of peroxides and derogate the quality.

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: > 5000 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**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**

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

Transport Labels

**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 sections 6-8

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	Flammable liquid and vapour.
	H228	Flammable Soild
	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	28/07/2015
Reason for revision	New SDS
Rev No/Repl, SDS Generated	01

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