



# Aromateca

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## Safety Data Sheet

### Organic Pine Essential Oil (*Pinus sylvestris*)

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					
1.4 Emergency Tel. No.					

## 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	$\alpha$ -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. 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	
<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>3.1 Substances</b>	
<b>70-85% 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>2-7% 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>3-7% 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 Aquatic Acute 1 – H400, Aquatic Chronic 1 – H410	
<b>1-5% 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	

**04. FIRST AID MEASURES**

<b>4.1 Description of first aid measures</b>	
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.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	
Observe risk of aspiration if vomiting occurs.	
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	
Treat symptomatically	

**05. FIRE-FIGHTING MEASURES**

<b>5.1 Extinguishing Media</b>
Extinguishing media: Carbon dioxide (CO <sub>2</sub> ). Powder. Foam. Unsuitable extinguishing media: Full water jet.
<b>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
<b>5.3 Advice for firefighters</b>
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**

<b>6.1 Personal precautions, protective equipment and emergency procedures</b>
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.
<b>6.2 Environmental Precautions</b>
Do not discharge into drains, water courses or onto the ground. Contain spillages.
<b>6.3 Methods and material for containment and cleaning up.</b>
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.
<b>6.4 Reference to other sections</b>
Sections 7 and 8

**07. HANDLING AND STORAGE**

<b>7.1 Precautions for safe handling</b>
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.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>
Keep product container tightly closed, in a dry, ventilated area, away from potential sources of ignition and protected from light.
<b>7.3 Specific end use(s)</b>
No additional data available.

**08. EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>8.1 Control parameters</b>
No additional data available
<b>8.2 Exposure controls</b>
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 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	28/07/2015
Reason for revision	New SDS
Rev No/Repl, SDS Generated	01

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