

Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

1.1. Product Name
Sandalwood Essential Oil
1.2. Synonyms and / or Trade Names
Sandalwood (Amyris) Essential Oil

2. COMPOSITION / INFORMATION ON INGREDIENTS

2.1. Chemical identification			
Sandalwood Essential Oil			
2.2. Ingredients			
NAME OF CONSTITUENT	CAS NO.	EC NO.	% COMPOSITION
trans-Nerolidol	40716-66-3	-	1.5%

3. HAZARD IDENTIFICATION

3.1. Classification of substance or mixture	
The full text for all hazard statements is displayed in section 16	
3.2. Classification (EC 1272/2008)	
H412	Category 3 Hazardous to the aquatic environment with long lasting effects
3.3. Label Elements	
Labels in accordance with (EC) No 1272/2008	
NONE	
Signal word	None
Contains	No additional data available
3.4. Hazardous Statements	
H412	Hazardous to the aquatic environment with long lasting effects
3.5. Precautionary Statements	
P273	Avoid release into the environment
P501	Dispose of contents/container to approved disposal site, in accordance with local regulation.
3.6. Supplementary statements	
None	
3.7. Other hazards	
PBT or vPvB according to Annex XIII	None
Adverse physio-chemical properties	None
Adverse effects on human health	None

4. FIRST AID MEASURES

4.1. General information	
Inhalation	Remove from the exposed area to fresh air. Get medical attention if any discomfort continues
Ingestion	Rinse your mouth and provide fresh air. Get medical attention if symptoms persist
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get 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. Get medical attention immediately. Continue to rinse
4.2. Most important symptoms and effects, both acute and delayed	
None	
4.3. Indication of any immediate medical attention and special treatment needed	
None	

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media	
Suitable extinguisher	CO2. Dry chemical powder, Foam.
5.2. Special hazards arising from the product	
In case of fire, Carbon monoxide, carbon dioxide, smoke and soot may be liberated	
5.3. Advice for firefighters	
In case of insufficient ventilation, wear suitable respiratory equipment	


6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precaution, protection equipment and emergency procedure	
Avoid inhalation. Avoid contact with skin and eyes. See protective measures in section 7 and 8	
6.2. Environmental precautions	
Avoid disposing into drainage, sewer systems or in any natural environment. Keep away from surface and groundwater	
6.3. Spill clean up methods	
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. Avoid open flames or sources of ignition. Ventilate area and wash spill site after material is picked up. Dispose according to current laws and regulations	
6.4. Reference to other sections	
Section 8 - Exposure controls/personal protection for further information on personal precaution Section 13 - Disposal considerations for further information on waste management	

7. HANDLING AND STORAGE

7.1. Precautions for safe handling
Keep away from heat, sparks, open flames and hot surfaces. Do not smoke while handling products. Use personal equipment as required. Use in accordance with good manufacturing and industrial practices. Use in areas with adequate ventilation. Do not eat or drink while handling product
7.2. Conditions for safe storage, including any incompatibilities
Store in a well ventilated place. Keep the container close and cool. Use explosion-proof electrical, ventilation and lighting equipment. Take precautionary measure measures against static discharge
7.3. Specific end use(s)
Flavours, fragrances: use in accordance with good manufacturing and industrial hygiene practices

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters	
None	
8.2. Protective equipment	
	
Process Conditions	Ensure area is well ventilated and avoid inhalation of vapours
Engineering measures	No additional data available
Respirator equipment	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 control can be used to minimise exposure to personnel: <ul style="list-style-type: none"> • Increase ventilation of area with local exhaust ventilation • Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters • Use closed systems for transferring and processing this material. Also refer to sections 2 and 7
Hand protection	Wear chemical resistant gloves and face protection
Eye protection	Wear approved safety goggles with built in frame tested.
Other protection	Avoid inhalation of vapours
Hygiene measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils. Keep away from foodstuffs, beverages and feed
Personal protection	Avoid inhalation and contact with skin and eyes
Skin protection	Wear protective clothing incase of splashes
Environmental exposure controls	Avoid discharging into drainage water. Only eliminate by authorised companies

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties	
Appearance	Viscous liquid
Colour	Pale yellow to yellow gold
Odour	Characteristic - sweet and woody
Flash point	> 100°C
Relative density	0.946 - 0.978 @ 20°C
Refractive index	1.500 - 1.512 @ 20°C
Boiling point	No additional data available
Melting point	No additional data available
Vapour pressure	No additional data available
Solubility in water @ 20°C	Insoluble in water
Auto ignition temperature	No additional data available
9.2. Other information	
No additional data available	

10. STABILITY AND REACTIVITY

10.1. Reactivity
Presents no significant reactivity hazards, by itself or in contact with water.
10.2. Chemistry stability
Good stability under normal storage conditions
10.3. Possible hazardous reactions
Not expected under normal conditions of use
10.4. Conditions to avoid
Avoid extreme heat
10.5. Incompatible materials
Avoid strong acids, alkalis and oxidising agents
10.6. Hazardous decomposition products
Not expected

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects	
Acute toxicity	No additional data available
Skin irritation or corrosion	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
Harmful to aquatic life with long lasting effects
12.2. Persistence and 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
This substance does not meet the PBT/vPvB criteria of REACH Annex IX
12.6. Other adverse effects
Do not discharge into the environment especially not into waterways, sewers and the sea

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods	
General information	Do not release into the environment.
Disposal must be made according to official regulation	

14. TRANSPORT INFORMATION

14.1. UN numbers	
Road	Not classified
Sea	Not classified
Air	Not classified
14.2. UN Proper shipping name	
None	
14.3. Transport hazard class(es)	
None	
14.4. Packing group	
None	
14.5. Environmental hazards	
Not environmentally hazardous for transport	
14.6. Special precautions for user	
See sections 6 - 8	
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	
Not classified	

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 regulation 2009 (SI 2009 NO 716)]
Approved code of practise	Classification and labelling of substances and preparations dangerous for supply. Safety data sheet for substances and preparations
Guidance notes	Workplace exposure limit EH40. CHIP for everyone HSG(108)
EU Legislation	Regulation (EC) No 1907/2006 of the European Parliament and 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 Regulations (EC) No 1488/94 as well as Council Directive 79/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC, 2000/21/EC, including amendments
15.2. Chemical safety assessment	
No additional data available	

16. OTHER INFORMATION

16.1. Hazard and / or Precautionary Statements in Full	
H412	Harmful to aquatic life with long lasting effects

Disclaimer

As the users' conditions of work are not known, the information contained in this Material Safety Data Sheet is accurate to the best of our knowledge and is based on the national community regulations.

The product must not be employed for uses other than those specified without having previously obtained written handling instructions. Users are responsible for taking all necessary to comply with the requirements of the law and local regulations. The information contained in this sheet should be regarded as the description of the safety requirements relating to our products and not as a guarantee of its properties.