

## MATERIAL SAFETY DATA SHEET

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

<b>1.1 Product Identifier</b>					
Product Name		Sandalwood Amyris Essential Oil			
Biological Definition		Amyris Balsamifera Bark Oil is the oil distilled from the bark of the tree, <i>Amyris balsamifera</i> , Rutaceae.			
INCI Name		Amyris Balsamifera Bark Oil			
Synonyms & Trade Names					
-					
CAS-No	8015-65-4 / 90320-49-3	EC No.	- / 291-076-6	EINECS No.	- / 291-076-6
<b>1.2 Relative identified uses of the substance or mixture and uses advised against</b>					
Flavours. Fragrances.					
<b>1.3 Details of the supplier of the safety data sheet</b>					
NTM UK LTD, 69 Bethel Street, Norwich, Norfolk, United Kingdom NR2 1NR					
<b>1.4 Emergency Tel. No.</b>			+44(0)1603 610883		

### 02. HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
The Full Text for all Hazard Statements is displayed in Section 16.	
Classification (EC 1272/2008)	
Hazardous to the Aquatic Environment - Long-term Hazard Category 3 H412, Harmful to aquatic life with long lasting effects.	
<b>2.2 Label Elements</b>	
Label in accordance with (EC) No 1272/2008	
None	
Signal Word	None
Contains	-
<b>Hazard Statements</b>	
H412 Harmful to aquatic life with long lasting effects.	

<b>Precautionary Statements</b>	
P273 -Avoid release to the environment. P501- Dispose of contents/container to approved disposal site, in accordance with local regulations.	
<b>Supplementary Precautionary Statements</b>	
None	

<b>2.3 Other Hazards</b>	
PBT or vPvB according to Annex XIII	None
Adverse physio-chemical properties	None
Adverse effects on human health	None

### 03. COMPOSITION/INFORMATION ON INGREDIENTS

<b>3.2 Mixtures</b>
1.5% trans-Nerolidol Cas. No: 40716-66-3 Classification (EC 1272/2008):EDI 2-EH A1-EH C1;H319- H410,-

### 04. FIRST AID MEASURES

<b>4.1</b>	<b>Description of first aid measures</b>
Inhalation	Move the exposed person to fresh air at once. Seek medical attention if any discomfort continues.
Ingestion	Seek medical assistance immediately. Rinse mouth and drink plenty of water.
Skin Contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
Eye Contact	Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.
<b>4.2</b>	<b>Most important symptoms and effects, both acute and delayed</b>
	None expected
<b>4.3</b>	<b>Indication of any immediate medical attention and special treatment needed</b>
	None expected

## 05. FIRE-FIGHTING MEASURES

<b>5.1 Extinguishing Media</b>	Do not use a direct stream of water to extinguish. Use: Powder. Carbon dioxide (CO2). Foam
<b>5.2 Special hazards arising from the product</b>	Specific hazards: When heated and in case of fire, Carbon monoxide or other unidentified toxic vapours/gases may be formed,
<b>5.3 Advice for firefighters</b>	Protective equipment for fire-fighters: Wear Self-contained breathing apparatus.


## 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.
<b>6.2 Environmental Precautions</b>	Do not discharge into drains, water courses or onto the ground.
<b>6.3 Methods and material for containment and cleaning up.</b>	Absorb with inert, non-combustible, inorganic absorbent material, sweep up and remove to an approved disposal container. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking.
<b>6.4 Reference to other sections</b>	Refer to Section 8 for information on personal protection equipment. Refer to Section 13 for ecological information

## 07. HANDLING AND STORAGE

<b>7.1 Precautions for safe handling</b>	Avoid spilling, skin and eye contact. Adopt best manual handling considerations when handling, carrying and dispensing. Use in accordance with good manufacturing and industrial hygiene practices.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Keep away from heat, sparks and open flame. Store separate from strong oxidising agents.
<b>7.3 Specific end use(s)</b>	Flavours, Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

## 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>8.1 Control parameters</b>	
None	
<b>8.2 Exposure controls</b>	
Protective Equipment	
	
Process Conditions	Ensure area is well ventilated. Avoid vapour inhalation.
Engineering Measures	No additional data available.
Respiratory 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 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. Also refer to Sections 2 and 7.
Hand Protection	Use suitable protective gloves if risk of skin contact.
Eye Protection	Wear approved safety goggles.
Other Protection	Wear rubber apron.
Hygiene Measures	Remove contaminated clothing and wash the skin thoroughly with soap and water after work.
Personal Protection	Use personal protection according to Directive 89/686/EEC. Avoid inhalation
Skin Protection	Wear apron or protective clothing in case of splashes.
Environmental Exposure Controls	Avoid discharging into drainage water.

## 09. PHYSICAL AND CHEMICAL PROPERTIES

<b>9.1 Information on basic physical and chemical properties</b>	
Appearance	Viscous liquid, pale yellow to yellow gold.
Colour	Pale yellow to yellow gold.
Odour	Characteristic – sweet, woody.
Relative Density	0.946 - 0.978 @20°C
Flash Point (°C)	>100
Refractive Index	1.500 -1.512 @ 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.
Auto-ignition temperature (°C)	No additional data available.

<b>9.2 Other information</b>	
No additional data available.	

## 10. STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	Presents no significant reactivity hazard, by itself or in contact with water.
<b>10.2 Chemical stability</b>	Good stability under normal storage conditions.
<b>10.3 Possible hazardous reactions</b>	Not expected under normal conditions of use.
<b>10.4 Conditions to Avoid</b>	Avoid extreme heat.
<b>10.5 Incompatible materials</b>	<b>Materials to Avoid:</b> Strong acids, alkalis and oxidising agents.
<b>10.6 Hazardous Decomposition Products</b>	Not expected.

## 11. TOXOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>	
Acute Toxicity	<p>This material does not meet the criteria for classification for health hazards under Regulation (EC) No 1272/2008.</p> <p>Assumed Toxicity Value (LD50 or ATE) for Acute Oral Toxicity: N/A</p> <p>Assumed Toxicity Value (LD50 or ATE) for Acute Dermal Toxicity: N/A Assumed Toxicity Value (LC50 or ATE) for Acute Inhalation Toxicity: N/A Inhalation Route: N/A</p> <p>Refer to Section 2 for additional information.</p>
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.
Photo-toxicity	No additional data available.
Other Information	No additional data available.

## 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	Harmful to aquatic life with long lasting effects.
<b>12.2 Persistence &amp; degradability</b>	No additional data available.
<b>12.3 Bioaccumulation Potential</b>	No additional data available.
<b>12.4 Mobility in soil</b>	No additional data available.
<b>12.5 Results of PBT and vPvB Assessment</b>	This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.
<b>12.6 Other adverse effects</b>	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

## 13. DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods</b>
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.

## 14. TRANSPORT INFORMATION

<b>14.1 UN number</b>	
UN No. Road	Not classified.
UN No. SEA	Not classified.
UN No. AIR	Not classified.
<b>14.2 UN proper shipping name</b>	
None.	
<b>14.3 Transport hazard class(es)</b>	
ADR/RID/ADN Class:	None.
ICAO Class/Division:	None.
IMDG Class:	None.
Transport Labels	
-	
<b>14.4 Packing group</b>	
ADR/RID/ADN Packing group	None.
IMDG Packing group	None.
ICAO Packing group	None.
<b>14.5 Environmental hazards</b>	
None for transport	
<b>14.6 Special precautions for user</b>	
See sections 6-8	
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code</b>	
Not classified	



## 15. REGULATORY INFORMATION

<b>15.1</b>	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>
	<p>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.</p>
<b>15.2</b>	<b>Chemical safety assessment</b>
	No additional information available.

## 16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	H412-Harmful to aquatic life with long lasting effects
Other Information	None.
Revision Date	26/09/2018
Reason for revision	Updated New Format SDS.
Rev No/Repl, SDS Generated	01

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