


MATERIAL SAFETY DATA SHEET

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

1.1 Product Identifier			
Product Name	Rosewood Essential Oil		
Biological Definition	The volatile oil obtained by the steam distillation chipped wood of <i>Dalbergia Sissoo</i>		
INCI Name	Dalbergia Sissoo Wood Oil (Not an official INCI name)		
Synonyms & Trade Names	Rosewood Essential Oil		
CAS-No		EC No.	EINECS No.
1.2 Relative identified uses of the substance or mixture and uses advised against			
No additional data available.			
1.3 Details of the supplier of the safety data sheet			
NTM UK LTD, 69 Bethel Street, Norwich, Norfolk, United Kingdom NR2 1NR			
1.4 Emergency Tel. No.		+44(0)1603 610883	

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
The Full Text for all Hazard Statements is displayed in Section 16.	
Classification (EC 1272/2008)	
UN-GHS: FL4, ATO5 (3200), SCI 2, SS 1, EDI 2A, EH A3,C3 EU-CLP: SCI 2, SS 1, EDI 2. [The Full Text for all Hazard Statements is Displayed in Section 16]. Human health May be fatal if swallowed and enters airways. Environment The product contains a substance which may cause long term adverse effects in the aquatic environment. Hydrocarbon Content: <10%	
2.2 Label Elements	
Label in accordance with (EC) No 1272/2008	
GHS07	
	
Signal Word	Warning
Contains	Linalool, alpha-terpineol, limonene, pinenes, geraniol, 1,8-cineole, camphor.
Hazard Statements	
H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Can cause serious eye irritation. H412 Harmful to aquatic life with long-lasting effects.	

Precautionary Statements	
P262 Do not get in eyes, on skin or on clothing. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing	
Supplementary Precautionary Statements	
None	

2.3 Other Hazards	
PBT or vPvB according to Annex XIII	No
Adverse physio-chemical properties	Combustible but will not self-ignite.
Adverse effects on human health	Frequent skin contact may lead to irritation or sensitisation.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures	
90% Linalool	CAS No: 78-70-6 EC No: 201-134-4 Classification (EC 1272/2008): ATO 5(3000), EDI 2A, EH A3, SCI 2
4% alpha-Terpineol	CAS No: 98-55-5 EC No: 202-680-6 Classification (EC 1272/2008): ATO 5(4300); SCI 2; EDI 2A
1% Limonene	CAS No: 5989-27-5 EC No: 227-813-5 Classification (EC 1272/2008): SCI 2; SS 1; EH A1,C1
1% Pinenes	CAS No (alpha-Pinene): 80-56-8 EC No: 201-291-9 Classification (EC 1272/2008): ATO 5(3700), SCI 2, SS 1
0.5% Geraniol	CAS No: 106-24-1 EC No: 303-377-1 Classification (EC 1272/2008): ATO 5(4200); SCI 2; EDI 1; SS 1; EH A2
0.4% 1,8-Cineole	CAS No: 470-82-5 EC No: 207-431-5 Classification (EC 1272/2008): ATO 5(2500); SCI 3
0.4% Camphor	CAS No: 76-22-2 EC No: 200-945-0 Classification (EC 1272/2008): ATO 5(4900); ATI 4(1,5m); SCI 3; STO-SE 2; EH A3

04. FIRST AID MEASURES

4.1	Description of first aid measures
Inhalation	Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. Do not induce vomiting.
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.
4.2	Most important symptoms and effects, both acute and delayed
Inhalation: Choking, drowsiness, respiratory disruptions. Ingestion : May cause queasiness and stomach aches. Skin contact : May cause irritation and stinging. Eye contact : May cause irritation and reddening	
4.3	Indication of any immediate medical attention and special treatment needed
No additional data available.	

05. FIRE-FIGHTING MEASURES

5.1	Extinguishing Media
	Use: (CO2), Water Spray, Powder Unsuitable extinguishing media: Full water jet.
5.2	Special hazards arising from the product
	Closed containers may build up pressure at elevated temperature
5.3	Advice for firefighters
	Protective equipment for fire-fighters: Wear Self-contained breathing apparatus. 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.
6.2	Environmental Precautions
	Do not discharge into drains, water courses or onto the ground.
6.3	Methods and material for containment and cleaning up.
	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.
6.4	Reference to other sections
	No additional data available.

07. HANDLING AND STORAGE

7.1	Precautions for safe handling
	Avoid spilling, skin and eye contact. Adopt best manual handling considerations when handling, carrying and dispensing.
7.2	Conditions for safe storage, including any incompatibilities
	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
7.3	Specific end use(s)
	No additional data available

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
Linalool (CAS: 78-70-6) Ingredient. Comments: Linalool peroxides (in aged product) may cause skin sensitisation reactions. No exposure limits noted for ingredient(s).	
8.2 Exposure controls	
Protective Equipment	
	
Process Conditions	Safety shower and eye bath.
Engineering Measures	Provide adequate ventilation. Respiratory equipment. Self-contained breathing apparatus.
Respiratory Equipment	Protection not required if good ventilation is maintained. Use inhalation protection in poorly ventilated areas.
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.
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	Liquid
Colour	Colourless to PaleYellow .
Odour	Characteristic – Sweet, Woody
Relative Density	0.850 to 0.890 @ 20°C
Flash Point (°C)	75
Refractive Index	1.440 to 1.468 @ 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.
9.2 Other information	
No additional data available.	

10. STABILITY AND REACTIVITY

10.1 Reactivity
No dangerous reactions known.
10.2 Chemical stability
Stable under the recommended handling and storage conditions.
10.3 Possible hazardous reactions
Possible hazardous reactions with strong oxidising agents.
10.4 Conditions to Avoid
Avoid heat, sparks and open flames.
10.5 Incompatible materials
Materials To Avoid: Strong acids, alkali or oxidising agents.
10.6 Hazardous Decomposition Products
Carbon monoxide and unidentified organic compounds may be formed during combustion.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	Acute oral toxicity LD50 orl-rat was determined as 4.3g/kg). Acute dermal toxicity skn-rbt: >5g/kg (Opdyke 1978 pp 653-654).
Skin corrosion / irritation	Skin corrosion/irritation Hazard Category 2 under EC 1272/2008 guidelines.
Serious eye damage / irritation	Eye irritant Hazard Category 2 under EC 1272/2008 guidelines
Respiratory or skin sensitisation	Skin sensitiser Hazard Category 1 under EC 1272/2008 guidelines
Germ Cell Mutagenicity	No additional data available.
Carcinogenicity	Not listed as a mutagen.
Reproductive toxicity	Not listed as reprotoxic.
STOT-single exposure	No additional data available.
STOT-repeated exposure	No additional data available.
Aspiration hazard	Not listed under EC 1272/2008 in this category.
Photo-toxicity	Not photo-toxic
Other Information	No additional data available.



12. ECOLOGICAL INFORMATION

12.1 Toxicity	Believed to be low.
12.2 Persistence & degradability	Believed to be easily biodegradable in water..
12.3 Bioaccumulation Potential	Bioaccumulative potential: No data available on bioaccumulation.
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 discharge into the environment especially not into waterways, sewers and the sea.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Dispose of in compliance with all local and national regulations.
-------------------------------------	---

14. TRANSPORT INFORMATION

14.1 UN number	UN No. Road	Not classified
	UN No. SEA	Not classified
	UN No. AIR	Not classified
14.2 UN proper shipping name	Extracts, Aromatic, Liquid	
14.3 Transport hazard class(es)	ADR/RID/ADN Class:	Not classified
	ICAO Class/Division:	Not classified
	IMDG Class:	Not classified
	Transport Labels	
		
14.4 Packing group	ADR/RID/ADN Packing group: Not classified. IMDG Packing group: Not classified. ICAO Packing group: Not classified.	
14.5 Environmental hazards	Environmentally Hazardous Substance/Marine Pollutant	
		
14.6 Special precautions for user	EMS: Not applicable. Emergency Action Code: Not classified . Hazard No. (ADR) Not classified. Tunnel Restriction Code (E) Not classified.	
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code	Tariff Number 33012911.	

15. REGULATORY INFORMATION

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

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	<p>H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Can cause serious eye irritation. H412 Harmful to aquatic life with long-lasting effects. P262 Do not get in eyes, on skin or on clothing. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing</p>
Other Information	None.

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.