













MATERIAL SAFETY DATA SHEET

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

1.1 Product Identifier					
Product Name		Cypress Essential Oil			
Biological Definition		Cupressus Sempervirens Leaf Oil is the volatile oil obtained from the leaves of the Cypress, <i>Cupressus sempervirens L., Pinaceae.</i>			
INCI Name		Cymbopogon Martini Oi			
Synonyms & Trade Names		Cupressus Sempervirens Oil.			
CAS-No	84696-07-1	EC No.	283-626-9	EINECS No.	283-626-9
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)									
Flammable liquid, Category 3 (Flam. Liq. 3, H226). Skin irritation, Category 2 (Skin Irrit. 2, H315). Skin sensitisation, Category 1B (Skin Sens. 1B, H317). Aspiration hazard, Category 1 (Asp. Tox. 1, H304). Hazardous to the aquatic environment - Acute hazard, Category 1 (Aquatic Acute 1, H400). Hazardous to the aquatic environment - Chronic hazard, Category 1 (Aquatic Chronic 1, H410) Aquatic Chronic 3 – H412									
2.2 Label Elements									
Label in accordance with (EC) No 1272/2008									
<table style="width: 100%; text-align: center;"> <tr> <td>GHS02</td> <td>GHS07</td> <td>GHS08</td> <td>GHS09</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		GHS02	GHS07	GHS08	GHS09				
GHS02	GHS07	GHS08	GHS09						
									
Signal Word	Danger.								
Contains	Pinenes (Alpha Or Beta) EC 236-719-3 Delta-3-Carene EC 227-813-5 D-Limonene								
Hazard Statements									
H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H410 Very toxic to aquatic life with long lasting effects.									

Precautionary Statements	
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/... P333 + P313 If skin irritation or rash occurs: Get medical advice/attention. P391 Collect spillage. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.	
Supplementary Precautionary Statements	
None	

2.3 Other Hazards

PBT or vPvB according to Annex XIII	The substance does not satisfy the PBT or vPvP criteria in
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

50-100% Pinenes (Alpha or Beta) CAS No:EC No Classification (EC 1272/2008) GHS09, GHS07, GHS08, GHS02, Dgr Flam. Liq. 3, H226, Asp. Tox. 1, H304, Skin Sens. 1, H317, Aquatic Acute 1, H400, M Acute =1, Aquatic Chronic 1, H410, M Chronic =1
10-25% Delta-3-Carene CAS No13466-78-9EC No: 236-719-3 Classification (EC 1272/2008) GHS08, GHS02, GHS07,Dgr Asp. Tox. 1, H304, Flam. Liq. 3, H226, Skin Irrit. 2, H315, Skin Sens. 1B, H317
2.5-10% Hydrocarbons CAS No : N/AEC No: N/A Classification (EC 1272/2008) GHS08, Dgr Asp. Tox. 1, H304
2.5-10% Terpinyl Acetate CAS No8007-35-0EC No: 232-357-5 Classification (EC 1272/2008) GHS09, Wng Aquatic Chronic 2, H411
2.5-10% Cedrol CAS No77-53-2EC No: 201-035-6 Classification (EC 1272/2008) GHS09, Wng Aquatic Chronic 2, H411
< 10.5% d-Limonene CAS-No: 5989-27-5 EC No.: 227-813-5 Classification (EC 1272/2008) GHS08, GHS02, GHS07, GHS09, Dgr Asp. Tox. 1, H304, Flam. Liq. 3, H226, Skin Irrit. 2, H315, Skin Sens. 1B, H317, Aquatic Acute 1, H400, M Acute = 1, Aquatic Chronic 1, H410, M Chronic = 1

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 Symptoms: Inhalation: can cause slight headache, rhinorrhea, cough shortness of breath, chest pains, bronchial spasm Eye contact: can cause bloodshot eyes Skin contact: can cause slight skin rash. Ingestion: Nausea, vomiting and diarrhoea can result from ingestion
4.3	Indication of any immediate medical attention and special treatment needed No additional data available. Inhalation: Monitor for signs of respiratory distress. Eye contact: Monitor for irritation, pain or swelling. Skin contact: Monitor signs of skin sensitisation. Ingestion: Monitor signs of aspiration particularly following loss of consciousness.

05. FIRE-FIGHTING MEASURES

5.1	Extinguishing Media Foam: Powder. Carbon dioxide (CO ₂).
5.2	Special hazards arising from the product A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke. In the event of a fire, the following may be formed: carbon monoxide (CO) and carbon dioxide (CO ₂)
5.3	Advice for firefighters Protective equipment for fire-fighters: Wear Self-contained breathing apparatus. Wear chemical protective clothing.

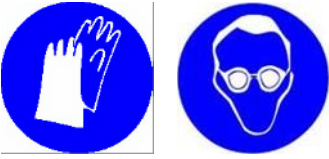
06. ACCIDENTAL RELEASE MEASURES

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
	Container: to be stored in stainless steel drums, preferably under inert atmosphere (nitrogen), protected from day-light take note: the container used during transportation must be considered only as a temporary container and it must not be considered in any case adequate for medium or long term warehousing. Conditions: stored in a dry, aerated place, away from any heat source and ignition source. Temperature: from 5°C and 30°C.
7.3	Specific end use(s)
	No additional data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1	Control parameters	
	Occupational exposure limits : ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) : CAS TWA : STEL : Ceiling : Definition : Criteria : 13466-78-9 20 ppm 1 2 - -	
8.2	Exposure controls	
	Protective Equipment	
		
	Process Conditions	Safety shower and eye bath.
	Engineering Measures	Design work processes and engineering controls to minimise aerosol / mist formation, release of liquid and vapour. Where appropriate provide adequate ventilation suitably protected to minimise release to the environment to ensure a safe working atmosphere consistent with the OEL's in section 8.1 above.
	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	Pale yellow to yellow.
Odour	Characteristic, woody terpenic, rustic.
Relative Density @ 20°C	0.863 – 0.885
Flash Point (°C)	31
Refractive Index @ 20°C	1.466 – 1.477
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 additional data available	
10.2 Chemical stability	
No additional data available	
10.3 Possible hazardous reactions	
No additional data available	
10.4 Conditions to Avoid	
Conditions leading to thermal decomposition either by combustion, electrostatic charge	
10.5 Incompatible materials	
No additional data available	
10.6 Hazardous Decomposition Products	
In case of combustion: carbon monoxide (CO), carbon dioxide (CO ₂) may be released	

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	Acute toxicity: Delta-3-Carene (CAS: 13466-78-9) Oral route : LD50 = 4800 mg/kg
Skin corrosion / irritation	May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.
Serious eye damage / irritation	No additional data available.
Respiratory or skin sensitisation	May cause an allergic reaction by skin contact.
Germ Cell Mutagenicity	No additional data available.
Carcinogenicity	Monograph(s) from the IARC (International Agency for Research on Cancer): CAS 5989-27-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.
Reproductive toxicity	No additional data available.
STOT-single exposure	No additional data available.
STOT-repeated exposure	No additional data available.
Aspiration hazard	May be fatal if swallowed and enters airways. Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.
Photo-toxicity	No additional data available.
Other Information	No additional data available.



12. ECOLOGICAL INFORMATION

12.1 Toxicity	Very toxic to aquatic life with long lasting effects. No aquatic toxicity data available for the substances. The product must not be allowed to run into drains or waterways
12.2 Persistence & degradability	HYDROCARBONS Biodegradability: no degradability data is available, the substance is considered as not degrading quickly.
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	No additional data available.

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 UN 1169
UN No. SEA UN 1169
UN No. AIR UN 1169
14.2 UN proper shipping name
Extracts, Aromatic, Liquid.
14.3 Transport hazard class(es)
ADR/RID/ADN Class:3 Flammable Liquid. IMDG Class: 3 Flammable Liquid. ICAO Class/Division: 3 Flammable Liquid.
Transport Labels
GHS02 
14.4 Packing group
ADR/RID/ADN Packing Group III IMDG Packing Group III ICAO Packing Group III
14.5 Environmental hazards

14.6 Special precautions for user
ADR/RID Class Code Pack Group. Label Ident. LQ Provis. EQ Cat. Tunnel 3 F1 III 3 30 5 L 601 640E E1 3 D/E
IMDG Class 2°Label Pack Group. LQ EMS Provis. EQ 3 - III 5 L F-E,S-D 223 955 E1
IATA Class 2°Label Pack Group. Passager Passager Cargo Cargo Note EQ 3 - III 355 60 L 366 220 L A3 E1 3 - III Y344 10 L - - A3 E1
For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG. For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code
No additional data available.

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	H318 Causes serious eye damage. H315 Causes skin irritation. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H303 May be harmful if swallowed. H317 May cause an allergic skin reaction. H351 Suspected of causing cancer. H341 Suspected of causing genetic defects. H411 Toxic to aquatic life with long lasting effects. H401 Toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
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.