

MATERIAL SAFETY DATA SHEET

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

1.1 Product Identifier					
Product Name		Bay Essential Oil West Indian.			
Biological Definition		Pimenta Racemosa Leaf/Fruit Oil is an essential oil obtained from the fruits of the plant, Pimenta racemosa, Myrtaceae.			
INCI Name		Pimenta Racemosa			
Synonyms & Trade Names		Bay Leaf Essential Oil			
CAS-No	85085-61-6	EC No.	285-385-5	EINECS No.	285-385-5
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)					
Germ cell mutagenicity, Category 2 (Muta. 2, H341).					
Acute Tox Category 4 (ATO 4. H302)					
Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).					
Carcinogenicity, Category 2 (Carc. 2, H351)					
Flammable liquid, Category 3 (Flam. Liq. 3, H226)					
Skin Corrosion Category 1A (Skin Corr 1A H314)					
Skin sensitisation, Category 1 (Skin Sens. 1, H317)					
2.2 Label Elements					
Label in accordance with (EC) No 1272/2008					
GHS08	GHS07	GHS09	GHS02	GHS05	
					
Signal Word		Danger			
Contains		-			
Hazard Statements					
<p>H226 Flammable Liquid and vapour.</p> <p>H302 Harmful if swallowed.</p> <p>H314 Causes severe skin burns and eye damage</p> <p>H317 May cause an allergic skin reaction</p> <p>H341 Suspected of causing genetic defects kidneys, nervous system, lungs, blood, circulatory bone marrow, adrenal gland, spleen, gastrointestinal, thyroid and immune system.</p> <p>H351 Suspected of causing cancer kidneys, nervous system, lungs, blood, circulatory system, marrow, adrenal gland, spleen, thyroid, gastrointestinal and immune system.</p> <p>H411 Toxic to aquatic life with long lasting effects</p>					

Precautionary Statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
 P262 Do not get in eyes, on skin, or on clothing.
 P303+361+353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin
 P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact
 and easy to do. Continue rinsing.
 P308+313: IF exposed or concerned: Get medical.
 P321 Specific treatment (see on this label
 P370+378 In case of fire: Use for extinction.

Supplementary Precautionary Statements

P201 Obtain special instructions before use.

2.3 Other Hazards

PBT or vPvB according to Annex XIII	The substance does not satisfy the PBT or vPvP criteria in accordance with annexe XIII of the REACH regulations EC 1907/2006
Adverse physio-chemical properties	Risk of explosion if heated under confinement.
Adverse effects on human health	No additional data available.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

50.0 – 70.0% EUGENOL CAS: 97-53-0, EC: 202-589-1

Classification (EC 1272/2008) Acute Tox. 4, H302, Carc. 2, H351, Muta. 2, H341

1.0 – 10.0% EUGENYL METHYL ETHER (METHYL EUGENOL) CAS: 93-15-2, EC: 202-223-0

Classification (EC 1272/2008) Acute Tox. 4, H302, Carc. 2, H351, Muta. 2, H341

1.0 -5.0% Limonene CAS-No.: 5989-27-5 EC No.: 227-813-5

Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304 Aquatic, Acute 1 - H400, Aquatic Chronic 1 - H410

1.0 – 10.0% Linalool CAS: 78-70-6, EC: 201-134-4

Classification (EC 1272/2008) Eye Irrit. 2, H319, Skin Irrit. 2, H315

<1.0% 1-Octen-3-ol CAS: 3391-86-4, EC: 222-226-0

Classification (EC 1272/2008) Acute Tox. 4 - H302, Acute Tox. 4 - H332, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Aquatic Acute 1 - H400

<1.0% Citral CAS: 5392-40-5, EC: 226-394-6

Classification (EC 1272/2008) Skin Irrit. 2: H315; Skin Sens. 1: H317

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	
	Skin contact: There may be irritation and redness at the site of contact. Eye contact: There may be irritation and redness. The eyes may water profusely. Ingestion: There may be soreness and redness of the mouth and throat. Inhalation: There may be irritation of the throat.	
4.3	Indication of any immediate medical attention and special treatment needed	
	No additional data available.	

05. FIRE-FIGHTING MEASURES

5.1	Extinguishing Media
	Do not use a direct stream of water to extinguish. Use: Powder. Carbon dioxide (CO ₂).
5.2	Special hazards arising from the product
	Specific hazards: When heated and in case of fire, toxic vapours/gases may be formed.
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 : No exposure limits noted for ingredient.
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	Mobile Liquid
Colour	Pale Yellow to Amber/Dark Amber
Odour	Characteristic
Relative Density	0.940 – 0.985 @ 20°C
Flash Point (°C)	57°C
Refractive Index	1.500 – 1.520 @ 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 additional data available.
10.2 Chemical stability
Stable under the recommended handling and storage conditions.
10.3 Possible hazardous reactions
No additional data available.
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
In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	There is no data available on this product. It must be considered and handled and should be dealt with the highest possible caution.
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

12.1 Toxicity	No additional data available.
12.2 Persistence & degradability	Degradability: Not biodegradable
12.3 Bioaccumulation Potential	Bioaccumulative potential: Bioaccumulation potential.
12.4 Mobility in soil	Readily absorbed into soil.
12.5 Results of PBT and vPvB Assessment	This substance is not identified as a PBT substance.
12.6 Other adverse effects	Toxic to aquatic organisms. Toxic to soil organisms.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Dispose of in compliance with all local and national regulations.
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14. TRANSPORT INFORMATION

14.1 UN number	UN No. Road	1169
	UN No. SEA	1169
	UN No. AIR	1169
14.2 UN proper shipping name	Extracts, aromatic, liquid.	
14.3 Transport hazard class(es)	ADR/RID/ADN Class:	3
	ICAO Class/Division:	3
	IMDG Class:	3
	Transport Labels	
		
14.4 Packing group	IMDG Packing group	III
	ICAO Packing group	III
14.5 Environmental hazards	Environmentally Hazardous Substance/Marine Pollutant	
		
14.6 Special precautions for user	EMS F-A-S-F	
	Hazard No. (ADR) 9	

Hazard No. (ADR) 90 Environmentally hazardous substance; miscellaneous dangerous substances.
Tunnel Restriction Code (E)
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 Statements in Full	<p>H226: Flammable liquid and vapour. H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H341: Suspected of causing genetic defects <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>. H351: Suspected of causing cancer <state route of exposure if it is proven that no other routes of exposure cause the hazard>. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects. H411: Toxic to aquatic life with long lasting effects.</p>
Other Information	None.
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