



## Focus No. 04

### A Blend of: Peppermint, Bergamot, Rosemary, Frankincense

#### 1. SDS Peppermint, India p.1 1 Safety Data Sheet

##### 1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

PRODUCT NAME: **PEPPERMINT, INDIA OIL** SUPPLIER: Aroma de Terra 12395  
McCracken Rd, Ste D Cleveland, OH 44125 (216) 663-8831

##### 2. COMPOSITION/INFORMATION ON INGREDIENT DEFINITION/BOTANICAL

ORIGIN: Definition: The volatile oil obtained by steam distillation of the herb *mentha x piperita* L. (Fam. *Labiatae*).

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H-No:3301.24 CoE No:282 FDA:182.20 RIFM: monograph INCI name:

CAS No:8006-90-4 FEMA:2848 IFRA: not restricted EINECS:

FCCIV:

Status: natural Additives: none Application: RTECS:

##### 3. HAZARDS IDENTIFICATION:

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Concentrated menthol. Do not ingest. Observe good housekeeping procedures. Should not be applied directly to the skin in an undiluted state, since dermal sensitization is possible.

4. FIRST-AID MEASURES: INHALATION: Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.

EYE CONTACT: Rinse immediately with plenty of water for at least 15 mins. Contact a doctor if symptoms persist. SKIN CONTACT: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water, if irritation persists, seek medical advice. INGESTION: Rinse mouth out with water. Seek medical advice immediately. OTHER: When assessing action take Risk & Safety Phrases into account (Section 15)

## **5. FIRE FIGHTING MEASURES.**

EXTINGUISHING MEDIA RECOMMENDED: Use CO<sub>2</sub>, Dry Powder or Foam type of Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material. SPECIAL MEASURES : Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

EXTINGUISHING PROCEDURES: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

## **6. ACCIDENTAL RELEASE MEASURES.**

PERSONAL PRECAUTIONS: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages. ENVIRONMENT PRECAUTIONS: Keep away from drains, soils, surface & groundwaters. CLEAN UP METHODS FOR SPILLAGES: Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic absorbent material, or sweep up and remove to an approved

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SDS Peppermint, India p.2 2 disposal container. Observe state, federal & local disposal regulations.

**7. HANDLING & STORAGE.**PRECAUTIONS IN HANDLING: Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke while handling. STORAGE CONDITIONS: Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum. FIRE PROTECTION: Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION.** RESPIRATORY PROTECTION: Avoid breathing product vapour. Apply local ventilation where possible. VENTILATION: Ensure good ventilation of working area. HAND PROTECTION: Avoid all skin contact. Use chemically resistant gloves if required. EYE PROTECTION: Use safety glasses. WORK/HYGIENE PRACTICES : Wash hands with soap & water after handling.

**9. PHYSICAL & CHEMICAL PROPERTIES,** COLOUR: Colorless to Pale yellow APPEARANCE: Mobile liquid. ODOR: Characteristic minty odor

FLASH-POINT <sup>0</sup>C: 670 SPECIFIC GRAVITY @ 20°C: 0.879-0.910 OPTICAL ROTATION @20°C: -16 to -30 REFRACTIVE INDEX @ 20°C: -1.46to -1.47 SOLUBILITY IN 70% ETHANOL @ 20°C: SOLUBLE 1+4 opalescence allowable SOLUBILITY IN VEGETABLE OILS: SOLUBLE SOLUBILITY IN WATER: NOT SOLUBLE

**10. STABILITY & REACTIVITY.**

REACTIVITY: It presents no significant reactivity hazards, by itself or in contact with water, Avoid contact with strong acids, alkali or oxidizing agents. DECOMPOSITION: Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

**11. TOXICOLOGICAL INFORMATION.**

Oral (rat), LD50 = 2426 mg/kg Skin (rabbit), LD50 >5 g/kg

Slightly hazardous to the skin (irritant), eyes and respiratory tract. May also cause allergic dermatitis. In case of eye contact, may cause loss of corneal epithelium, corneal infiltration, and release of pigment into anterior chamber with deposits on back of cornea. Possible mutagen.

**12.ECOLOGICAL INFORMATION.**

BIODEGRADABILITY: Data not available

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SDS Peppermint, India p.3 3 PRECAUTIONS: Prevent surface contamination of soil, ground & surface water.

**13. DISPOSAL CONSIDERATIONS.**Avoid disposing to drainage systems and into the environment. Seek expert advice.

**14. TRANSPORT REGULATIONS**

Road (ADR/RID): AIR (IATA): SEA (IMDG): UN 1993:

**SHELF•LIFE**Min **12 months** when stored within advised conditions.

**Q.C. REQUIREMENTS.**

Inline with general product specification. Always satisfy suitability for specific application. Retest after 6 months.

The data provided in this Safety Data Sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is data is supplied without warranty expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification or for any given application, and buyers should seek to verify their requirements and product use.

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## 2. SDS Bergamot Page 1

### Safety Data Sheet

#### 1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

PRODUCT NAME: **Bergamot, Italy cold pressed**SUPPLIER: Aroma de Terra 12395  
McCracken Rd, Ste D Cleveland, OH 44125 (216) 663-8831

#### 2.COMPOSITION/INFORMATION ON INGREDIENTS.

DEFINITION/BOTANICAL ORIGIN: Definition: The volatile oil obtained by steam distillation of the rind of *citrus bergamia*.

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H-No: CoE No: FDA: RIFM: monograph

CAS No: 8007-75-8 FEMA: 2153 IFRA: not restricted EINECS:

Status: natural Additives: none Application: RTECS: DS05000000

#### 3. HAZARDS IDENTIFICATION:

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Concentrated product. Do not ingest. Observe good housekeeping procedures. Should not be applied directly to the skin in an undiluted state, since phototoxicity effects and dermal sensitization are possible. Keep total quantity in a blend under 2%.

4.FIRST-AID MEASURES:INHALATION:Remove from exposure site to fresh air.  
Keep at rest. Obtain medical attention.

EYE CONTACT: Rinse immediately with plenty of water for at least 15 mins. Contact a doctor if symptoms persist. SKIN CONTACT: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water, if irritation persists, seek medical advice. INGESTION: Rinse mouth out with water. Seek medical advice immediately. OTHER: When assessing action take Risk & Safety Phrases into account

## **5. FIRE FIGHTING MEASURES.**

EXTINGUISHING MEDIA RECOMMENDED: Use CO<sub>2</sub>, Dry Powder or Foam type of Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material. SPECIAL MEASURES: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

EXTINGUISHING PROCEDURES: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

## **6. ACCIDENTAL RELEASE MEASURES.**

PERSONAL PRECAUTIONS: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages. ENVIRONMENT PRECAUTIONS: Keep away from drains, soils, surface & groundwaters. CLEAN UP METHODS FOR SPILLAGES: Remove all potential ignition sources. Contain spilled material.

SDS Bergamot Page 2 Cover with an inert or non-combustible inorganic absorbent material, or sweep up and remove to an approved

disposal container. Observe state, federal & local disposal regulations.

**7. HANDLING & STORAGE.** PRECAUTIONS IN HANDLING: Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke while handling. STORAGE CONDITIONS: Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum. FIRE PROTECTION: Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION.** RESPIRATORY PROTECTION: Avoid breathing product vapour. Apply local ventilation where possible. VENTILATION: Ensure good ventilation of working area. HAND PROTECTION: Avoid all skin contact. Use chemically resistant gloves. EYE PROTECTION: Use safety glasses. WORK/HYGIENE PRACTICES: Wash hands with soap & water after handling.

**9. PHYSICAL & CHEMICAL PROPERTIES,** COLOUR: Golden yellow, amber or green liquid APPEARANCE: Mobile liquid. ODOR: bright fresh and tart citrus

FLASH-POINT <sup>0F</sup>: 108 <sup>0F</sup>: SPECIFIC GRAVITY @ 25°C: 0.87600 to 0.88400  
REFRACTIVE INDEX @ 20°C: 1.46400 to 1.46600 SOLUBILITY IN 70% ETHANOL @ 20°C: SOLUBLE SOLUBILITY IN VEGETABLE OILS: SOLUBLE SOLUBILITY IN WATER: NOT SOLUBLE

## **10. STABILITY & REACTIVITY.**

STABILITY Stable REACTIVITY: It presents no significant reactivity hazards, by itself or in contact with water, Avoid contact with strong acids, alkali or oxidizing agents. Avoid excessive heat, open flames and other sources of ignition. DECOMPOSITION: Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

## **11. TOXICOLOGICAL INFORMATION.**

Harmful if swallowed. Irritating to eyes, respiratory system and skin. Phototoxicity possible.

## **12. ECOLOGICAL INFORMATION.**

BIODEGRADABILITY: Data not available PRECAUTIONS: Prevent surface contamination of soil, ground & surface water.

## **13. DISPOSAL CONSIDERATIONS.**

SDS Bergamot Page 3 Avoid disposing to drainage systems and into the environment. Seek expert advice.

**SHELF•LIFE** Min **6 months** when stored within advised conditions.

## **Q.C. REQUIREMENTS.**

Inline with general product specification. Always satisfy suitability for specific application. Retest after 6 months.

The data provided in this Safety Data Sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is data is supplied without warranty expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification or for any given application, and buyers should seek to verify their requirements and product use

1/10/2011

### 3. SDS Rosemary p.1

#### Safety Data Sheet

#### 1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

PRODUCT NAME: **ROSEMARY, SPAIN**SUPPLIER: Aroma de Terra 12395  
McCracken Rd. Ste D Garfield Hts, OH 44125 (216)663-8331

#### 2.COMPOSITION/INFORMATION ON INGREDIENTS.

DEFINITION/BOTANICAL ORIGIN: Definition: The volatile oil obtained by steam distillation of the herb *rosmarinus officinalis*

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H-No: CoE No: FDA: RIFM: monograph

CAS No: 8000-25-7 FEMA: 2992 IFRA: not restricted EINECS:

Status: natural Additives: none Application: RTECS: VL0445000

#### 3. HAZARDS IDENTIFICATION:

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Concentrated product. Do not ingest. Observe good housekeeping procedures.

4.FIRST-AID **MEASURES**:INHALATION:Remove from exposure site to fresh air.  
Keep at rest. Obtain medical attention.

EYE CONTACT: Rinse immediately with plenty of water for at least 15 mins. Contact a doctor if symptoms persist. SKIN CONTACT: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water, if irritation persists, seek medical advice. INGESTION: Rinse mouth out with water. Seek medical advice immediately. OTHER: When assessing action take Risk & Safety Phrases into account

#### 5. FIRE FIGHTING MEASURES.

EXTINGUISHING MEDIA RECOMMENDED: Use CO2, Dry Powder or Foam type of Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material. SPECIAL MEASURES: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

EXTINGUISHING PROCEDURES: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.



## 6. ACCIDENTAL RELEASE MEASURES.

PERSONAL PRECAUTIONS: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages. ENVIRONMENT PRECAUTIONS: Keep away from drains, soils, surface & groundwaters. CLEAN UP METHODS FOR SPILLAGES: Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic absorbent material, or sweep up and remove to an approved disposal container. Observe state, federal & local disposal regulations.

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**7. HANDLING & STORAGE.**PRECAUTIONS IN HANDLING: Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke while handling. STORAGE CONDITIONS: Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum. FIRE PROTECTION: Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION.**RESPIRATORY PROTECTION: Avoid breathing product vapour. Apply local ventilation where possible. VENTILATION: Ensure good ventilation of working area. HAND PROTECTION: Avoid all skin contact. Use chemically resistant gloves. EYE PROTECTION: Use safety glasses. WORK/HYGIENE PRACTICES : Wash hands with soap & water after handling.

**9. PHYSICAL & CHEMICAL PROPERTIES,** COLOUR: colorless to pale yellow APPEARANCE: Mobile liquid. ODOR: Characteristic camphoraceous, woody, balsamic and herbal FLASH-POINT <sup>0C</sup>: 45.46

SPECIFIC GRAVITY @ 25°C: 0.89800 to 0.92200 REFRACTIVE INDEX @ 25°C: 1.46600 to 1.47000 SOLUBILITY IN 70% ETHANOL @ 20°C: SOLUBLE SOLUBILITY IN VEGETABLE OILS: SOLUBLE SOLUBILITY IN WATER: NOT SOLUBLE

## 10. STABILITY & REACTIVITY.

REACTIVITY: It presents no significant reactivity hazards, by itself or in contact with water, Avoid contact with strong acids, alkali or oxidizing agents. DECOMPOSITION: Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

## **11. TOXICOLOGICAL INFORMATION.**

Harmful if swallowed. Irritating to eyes, respiratory system and skin.

## **12. ECOLOGICAL INFORMATION.**

BIODEGRADABILITY: Data not available

PRECAUTIONS: Prevent surcontamination of soil, ground & surface water.

## **13. DISPOSAL CONSIDERATIONS.**

Avoid disposing to drainage systems and into the environment. Seek expert advice.

SDS Rosemary p.3

**SHELF•LIFE** Min **6 months** when stored within advised conditions.

## **Q.C. REQUIREMENTS.**

In line with general product specification. Always satisfy suitability for specific application. Retest after 6 months.

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1/10/2011

## 4. SDS Frankincense/Olibanum p.1

### Safety Data Sheet

#### 1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

PRODUCT NAME: **Frankincense, UAE, steam distilled**SUPPLIER: Aroma de Terra  
12395 McCracken Rd. Cleveland, OH 44125 (216) 663-8831

#### 2.COMPOSITION/INFORMATION ON INGREDIENTS.

DEFINITION/BOTANICAL ORIGIN: Definition: The volatile oil obtained by steam distillation of the herb *boswellia carteri*.

H-No: CoE No: FDA: RIFM: monograph

#### 3. HAZARDS IDENTIFICATION:

Concentrated product. Do not ingest. Observe good housekeeping procedures

4.FIRST-AID MEASURES:INHALATION:Remove from exposure site to fresh air.  
Keep at rest. Obtain medical attention.

EYE CONTACT: Rinse immediately with plenty of water for at least 15 mins. Contact a doctor if symptoms persist. SKIN CONTACT: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water, if irritation persists, seek medical advice. INGESTION: Rinse mouth out with water. Seek medical advice immediately. OTHER: When assessing action take Risk & Safety Phrases into account

#### 5. FIRE FIGHTING MEASURES.

EXTINGUISHING MEDIA RECOMMENDED: Use CO<sub>2</sub>, Dry Powder or Foam type of Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material. SPECIAL MEASURES : Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

EXTINGUISHING PROCEDURES: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

## 6. ACCIDENTAL RELEASE MEASURES.

PERSONAL PRECAUTIONS: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages. ENVIRONMENT PRECAUTIONS: Keep away from drains, soils, surface & groundwaters. CLEAN UP METHODS FOR SPILLAGES: Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic absorbent material, or sweep up and remove to an approved disposal container. Observe state, federal & local disposal regulations.

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CAS No: 8016-36.2 FEMA: 2816 IFRA: not restricted EINECS: RTECS:

Status: natural Additives: none Application:

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SDS Frankincense/Olibanum p.2

7. **HANDLING & STORAGE.**PRECAUTIONS IN HANDLING: Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke while handling. STORAGE CONDITIONS: Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum. FIRE PROTECTION: Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

8. **EXPOSURE CONTROLS/ PERSONAL PROTECTION.**RESPIRATORY PROTECTION: Avoid breathing product vapour. Apply local ventilation where possible. VENTILATION: Ensure good ventilation of working area. HAND PROTECTION: Avoid all skin contact. Use chemically resistant gloves if required. EYE PROTECTION: Use safety glasses. WORK/HYGIENE PRACTICES : Wash hands with soap & water after handling.

9. **PHYSICAL & CHEMICAL PROPERTIES** COLOUR: Pale amber liquid APPEARANCE: Mobile liquid. ODOR: amber, warm spicy, balsamic, somewhat nutty odor FLASH-POINT <sup>0</sup>C: 96.67

SPECIFIC GRAVITY @ 25°C: 1.10540-to 1.10740 OPTICAL ROTATION @20°C: - 0.05° to 0.00° REFRACTIVE INDEX @ 20°C: 1.49900 to 1.50200 SOLUBILITY IN 70% ETHANOL @ 20°C: Soluble SOLUBILITY IN VEGETABLE OILS: SOLUBLE SOLUBILITY IN WATER: NOT SOLUBLE

## **10. STABILITY & REACTIVITY.**

REACTIVITY: It presents no significant reactivity hazards, by itself or in contact with water, Avoid contact with strong acids, alkali or oxidizing agents. DECOMPOSITION: Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

## **11. TOXICOLOGICAL INFORMATION.**

Council of Europe Evaluation was Approval, FEMA Evaluation was GRAS, FDA evaluation was GRAS. Liquid may irritating to skin and eyes.

## **12.ECOLOGICAL INFORMATION.**

BIODEGRADABILITY: Data not available PRECAUTIONS: Prevent surface contamination of soil, ground & surface water.

## **13. DISPOSAL CONSIDERATIONS.**

Avoid disposing to drainage systems and into the environment. Seek expert advice.

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SDS Frankincense/Olibanum p.3

**SHELF•LIFE**Min **12 months** when stored within advised conditions.

## **Q.C. REQUIREMENTS.**

Inline with general product specification. Always satisfy suitability for specific application. Retest after 6 months.

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1/10/2011