



## **Energize No. 17**

**A Blend of: Lemon, Bergamot, Lavender, Orange**

### **1. SDS Lemon page 1**

#### **Safety Data Sheet**

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

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

##### **2.COMPOSITION/INFORMATION ON INGREDIENTDEFINITION/BOTANICAL**

ORIGIN: Definition: The volatile oil obtained by steam distillation of the herb *citrus limon*

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 (Section 15)

## 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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CAS No: 8008-56-8 FEMA: 2625 IFRA: not restricted EINECS: RTECS:

Status: natural Additives: none Application:

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SDS Lemon page 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. EYE PROTECTION: Use safety glasses. WORK/HYGIENE PRACTICES : Wash hands with soap & water after handling.

**9. PHYSICAL & CHEMICAL PROPERTIES,** COLOUR: Pale to deep yellow or greenish yellow APPEARANCE: Mobile liquid. ODOR: Characteristic citrus odor

FLASH-POINT <sup>0</sup>C: 48 SPECIFIC GRAVITY @ 25°C: 0.84900 -0.8550 OPTICAL ROTATION @20°C: +35° to -41° REFRACTIVE INDEX @ 20°C: 1.4720 to 1.4740 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.**

Expressed Citrus oils that are not FCF or bergapten-free, such as lime, bergamot, orange and lemon do carry with them a possibility of Photosensitization (places on the skin where such oils are applied and which are exposed to ultra violet light can be susceptible to reactions such as mild brown blotches, but which can be as severe as a sunburn). We therefore cannot recommend using it at a concentration any higher than .4% in any base product. For those with very fair or delicate skin, it may be unwise to use in contact with the skin at any concentration.

**12.ECOLOGICAL INFORMATION.**

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

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**13. DISPOSAL CONSIDERATIONS.**

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 end 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.

5/2/2010

## 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*.

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:

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 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.

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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.**

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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 Lavender 40/42, France p1**

#### **Safety Data Sheet**

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

PRODUCT NAME: **LAVENDER 40/42, France**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 *lavandula angustifolia*

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 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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CAS No: 8000-28-0 FEMA: 2622 IFRA: not restricted EINECS: RTECS:

Status: natural Additives: none Application:

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SDS Lavender 40/42, France p2

**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 yellow to amber APPEARANCE: Mobile liquid. ODOR: Characteristic herbaceous odor

FLASH-POINT <sup>0</sup>C: 69 SPECIFIC GRAVITY @ 20°C: 0.8800-0.8820 OPTICAL ROTATION @20°C: -5.35° to -6.35° REFRACTIVE INDEX @ 20°C: 1.4584 to 1.4608 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 Lavender 40/42, France p3

**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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4/18/2010

## 4. Orange

### Safety Data Sheet

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

PRODUCT NAME: **Orange, Valencia, California, 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 herb *citrus sinensis*.

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

CAS No: 8008-57-9 FEMA: 2825 IFRA: not restricted EINECS:

Status: natural Additives: none Application: RTECS: RI8600000

#### 3. HAZARDS IDENTIFICATION:

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.

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**2 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.

**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:** Pale orange, yellow, greenish orange or brownish orange **APPEARANCE:** Mobile liquid. **ODOR:** bright fresh and sweet citrus **FLASH-POINT** <sup>0F:</sup> 156 <sup>0F:</sup> **SPECIFIC GRAVITY @ 25°C:** 0.84200 to 0.84600 **REFRACTIVE INDEX @ 20°C:** 1.47200 to 1.47400 **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.

## **12. ECOLOGICAL INFORMATION.**

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

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## **13. DISPOSAL CONSIDERATIONS.**

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.

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1/10/2011