

MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT: PATH TO PERFECT HEALTH LEMON ESSENTIAL OIL

FILE NO.: MSLE
MSDS DATE: 1/17/07

SECTION 1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

PRODUCT NAME: Path To Perfect Health Lemon Essential Oil – Citrus x limon

MANUFACTURED BY: MiracleSoap, Inc., 1904 W. 24th ST., Sioux Falls, SD 57105

EMERGENCY TELEPHONE NUMBERS: 9-5 PST Monday-Friday - 1-888-895-7627

National Poison Control Center (all times) 1-412-681-6669

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS.

BOTANICAL ORIGIN: USA

EXTRACTION: Cold Pressed

PLANT PART: Peel

DOT Hazard classification: Class 3, Flammable

H-No: 3301.33 CAS No: 8008-56-8 Status: natural

CoE No: 139 FEMA: 2625 Additives: none

FDA: 182.20 IFRA: restricted Application: Essential oil therapy, aromatherapy, massage, skin care, etc.

RIFM: monograph EINECS: 284-515-8 FCCIV: official

INCI name: Citrus x limon

SECTION 3. HAZARDS IDENTIFICATION:

Flammable. Concentrated product. Do not ingest, use good housekeeping procedures when handling. Can be a skin irritant if not diluted. Photosensitive oil – do not use on skin before exposure to the sun can cause sunburn easily.

SECTION 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 minutes. Contact a doctor immediately.

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. Administer water or milk to dilute. Seek medical advice **immediately**.

OTHER: When assessing action take Risk & Safety Phrases into account (Section 15)

SECTION 5. FIRE FIGHTING MEASURES.

EXTINGUISHING MEDIA RECOMMENDED: Use CO₂, Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

SPECIAL MEASURES: Avoid vapor 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.

SECTION 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 & groundwater.

CLEANING UP METHODS FOR SPILLAGES: Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe state, federal & local disposal regulations.

SECTION 7. HANDLING & STORAGE.

MATERIAL SAFETY DATA SHEET

FILE NO.: MSLE
MSDS DATE: 1/17/07

NAME OF PRODUCT: PATH TO PERFECT HEALTH LEMON ESSENTIAL OIL

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.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

RESPIRATORY PROTECTION: Respiratory protection is normally not required in well ventilated areas. However, NIOSH approved respiratory protection may be required when the material is to be used in a confined area.

VENTILATION: Ventilation meeting ACGIH standards should be employed.

HAND PROTECTION: Chemically resistant gloves are recommended.

EYE PROTECTION: Use safety glasses.

WORK/HYGIENE PRACTICES: Wash hands with soap & water after handling.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES.

COLOR: Pale to deep yellow or greenish yellow

APPEARANCE: Mobile liquid

ODOR: Characteristic odor of fresh lemon peel

FLASH POINT °F: 115°F

SPECIFIC GRAVITY @ 25°C: 0.849 - 0.855

REFRACTIVE INDEX @ 20°C: 1.4650 - 1.4850

Solubility in water: Insoluble

SECTION 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.

STABILITY: Stable

SECTION 11. TOXICOLOGICAL INFORMATION.

LD₅₀: >5 g/Kg (oral) rat, > 5g/Kg (dermal) rabbit.

Irritation/Sensitation– nil at 10% (human) and nil at 100%. 1/2000 dermatitis patients were sensitive to lemon oil.

SECTION 12. ECOLOGICAL INFORMATION.

BIODEGRADABILITY: Data not available

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

SECTION 13. DISPOSAL CONSIDERATIONS.

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

SECTION 14. TRANSPORT REGULATIONS.

Road (ADR/RID): Class 3 item 31/c RID/No. 301; ADR RN N/2301

AIR (IATA): Class 3 Packing group III UN 1993

SEA (IMDG): 3036-1, Class 3 UN No: 1993

CHIP: See section 15

SECTION 15. REGULATORY INFORMATION.

HAZARDS: Flammable liquid.

SYMBOLS: n/a

RISK PHRASES: R10

SAFETY PHRASES: Keep away from ignition source.

SECTION 16. OTHER INFORMATION.

PACKAGING:

MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT: PATH TO PERFECT HEALTH LEMON ESSENTIAL OIL

FILE NO.: MSLE
MSDS DATE: 1/17/07

Type Suitability

Glass Yes

Lacquer lined steel/tin Yes

Aluminum Yes

HPPE No

F/HDPE Yes

Other plastic No

SHELF LIFE

When stored within advised conditions minimum of 12 months. Test at 3 monthly intervals up to a maximum life of 24 months.

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.

The data provided in this material 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 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.