

**MATERIAL SAFETY DATA SHEET**  
**ACCORDING TO EC LEGISLATION 91/155/E EC**

Date created: July 2005

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**1. Identification:**

Commercial name: Macadamia Nut Oil, Refined

Botanical Nomenclature:

INCI name: *Not available*

CAS number: 129811-19-4

EINECS CAS number: 273-313-5

EEC Number: *Not available*

**2. Composition:**

Main components:

Additives (e.g. carriers, preservatives, antioxidants): *Nil*

**3. Potential Health Hazards:**

Inhalation: *None identified*

Skin: *None identified*

Eyes: *None identified*

Ingestion: *None identified*

**4. First aid:**

Inhalation: *None identified*

Skin: *Wash affected area with mild soap and water . Seek medical advice if irritation persists.*

Eyes: *Flush with plenty of water for 15 minutes. Seek medical advice if irritation persists.*

Ingestion: *Edible, food grade*

**5. In case of fire:**

Extinguishing media: *Carbon dioxide, foam, inert powders*

Do not use: *Water*

Special precautions: *Fine oil mist may be hazardous. On extreme long heating at high temperature gaseous components occur of acrolein variety.*

**6. Spill and Leak Procedure:**

Individual precautions: *Use good hygiene practices.*

Environmental protection: *Spillage on soil, Use a solid absorbent and wash floors with detergent. May cause slippery floors. Spillage on water, the oil will appear on surface, this can be scraped off.*

Cleaning methods *See above*

**7. Handling and storage:**

*Store in a cool, dry and dark place in suitable containers (aluminium cans or lacquer lined steel drums).*

*Handle in a well ventilated area.*

*Keep away from sources of heat and ignition.*

**8. Personal Protection / Exposure control:**

Respiratory protection: *None identified*  
Skin protection: *Rubber or plastic gloves should be worn*  
Eye protection: *Safety glasses or safety goggles should be worn*  
General precautions: *Use good industrial hygiene practise.*

#### **9. Physiochemical properties:**

Appearance: *light colour*  
Odour: *free from rancid and foreign odours*  
pH: *Not available*  
Boiling point: *Not available*  
Flash point: *Not available*  
Autoignition Temperature: *Not available*  
Explosion Limits: *Not available*  
Vapour pressure (25°C): *Not available*  
Vapour Density: *Not available*  
Specific Gravity (20°C): *0.913*  
Optical Rotation (20°C): *Not available*  
Refractive Index (20°C): *1.47*  
Solubility in water (20°): *Not available*  
Partition Coefficient log P o/w: *Not available*  
Evaporation rate: *Not available*

#### **10. Stability and Reactivity:**

Chemical Stability: *Stable.*

Conditions to avoid: *Strong oxidising agent, temperatures near flash point*

Hazardous Decomposition Products: *Acrolein at extreme heating.*

#### **11. Toxicological Information:**

According to RIFM- Monograph:

Acute Toxicity: *Oral LD<sub>50</sub>: /kg in rats Not available*  
*Dermal LD<sub>50</sub>: /kg in rabbits Not available*

Irritation: *Not available*

Sensitisation: *Not available*

Phototoxicity: *Not available*

#### **12. Ecotoxicological information:**

Fish Toxicity: LCO/EC<sub>50</sub>: *Not available.*

Bacteriotocity: ECO/EC<sub>50</sub>: *Not available.*

#### **13. Disposal Method:**

*Check Federal, State and Local Regulations.*

#### **14. Transport Information:**

*Non-hardous material transport in suitable containers.*

#### **15. Regulatory Information**

##### **The British Essential Oil Association Chip Regulations – 2002**

Hazard Symbols: -----

Risk Phrases: -----

H/C %: -----

Safety Phrases: -----

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FOR AND ON BEHALF OF PHOENIX NATURAL PRODUCTS:

J.S. CHANA..... (MANAGING DIRECTOR)

DATE:.....