

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

Date created: June2005

Date revised: October 2005

**1. Identification:**

Commercial name: Palm Kernal oil refined

Botanical Nomenclature:

INCI name: *Elaeis Guneensis*

CAS number: 8023-79-8

EINECS CAS number: 232-425-4

EEC Number: *Not known*

**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 there is irritation.*

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 -, Scrape off and dispose responsibly as much as possible 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:	<i>Soft waxy, white to off white solid at room temperature.</i>
Odour:	<i>free from rancid and foreign odours</i>
pH:	<i>Neutral</i>
Boiling point:	<i>Not available</i>
Flash point:	<i>340C</i>
Autoignition Temperature:	<i>Not available</i>
Explosion Limits:	<i>Not available</i>
Vapour pressure (25°C):	<i>Not available</i>
Vapour Density:	<i>Not available</i>
Specific Gravity (20°C):	<i>0.910-0.940</i>
Optical Rotation (20°C):	<i>Not available</i>
Refractive Index (20°C):	<i>not measurable- opaque solid</i>
Solubility in water (20°):	<i>Insoluble</i>
Partition Coefficient log P o/w:	<i>Not available</i>
Evaporation rate:	<i>Not available</i>

## **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**

*Not a regulated material*

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**FOR AND ON BEHALF OF PHOENIX NATURAL PRODUCTS:**

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

DATE:.....