

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

Date created: June 1998

Date revised: July 2005

**1. Identification:**

Commercial name: *Sunflower oil Organic*

Botanical Nomenclature:

INCI name: *Helianthus annus*

CAS number: 8001 – 21 - 6

EINECS/ELINCS number: 232 – 273 - 9

**2. Composition:**

Main components: triglycerides typically found in sunflower oil.

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

**3. Potential Health Hazards:**

Inhalation: *None identified.*

Skin: *Non Hazardous.*

Eyes: *Maybe irritating to eyes.*

Ingestion: *Non hazardous.*

**4. First aid:**

Inhalation: *If discomfort is felt, remove person to a well ventilated area with plenty of fresh air.*

Skin: *Wash affected area with plenty of soap and water.*

Eyes: *Flush immediately with plenty of cool water for 10 to 20 minutes. Seek medical advice from a Medical Doctor if required.*

Ingestion: *None hazardous.*

**5. In case of fire:**

Extinguishing Media: *Foam, Carbon dioxide.*

Do not use: *Water.*

Special precautions: *Wear breathing apparatus as toxic vapours may be released during fire.*

**6. Spill and Leak Procedure:**

Individual precautions: *Eliminate sources of ignition. Keep area well ventilated and isolate the spill.*

Environmental protection: *Prevent the liquid from entering the drains and sewers.*

Cleaning methods: *Soak up the spill using inert absorbents. For large spills use pumps.*

**7. Handling and storage:**

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

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

Respiratory protection: *None required*

Skin protection: *Use protective gloves. Wear protective clothing when possibility exists of contact.*

Eye protection: *Goggles should be worn.*

General precautions: *Use good industrial hygiene practise.*

**9. Physiochemical properties:**

Appearance:	pale yellow mobile liquid
Odour:	very faint oily odour
pH:	<i>Neutral</i>
Boiling point:	<i>Not available</i>
Flash point:	315C
Autoignition Temperature:	<i>Not available</i>
Explosion Limits:	<i>Not available</i>
Vapour pressure (25°C):	<i>Not available</i>
Vapour Density:	<i>&gt;1 (air=1)</i>
Specific Gravity (15.5°C):	0.920g/ml
Optical Rotation (20°C):	not available
Refractive Index (20°C):	1.460-1.476
Solubility in water (20°):	<i>Negligible</i>
Partition Coefficient log P o/w:	<i>Not available</i>
Evaporation rate:	<i>&lt;1 (Butyl Acetate=1)</i>

**10. Stability and Reactivity:**

Chemical Stability: *Stable.*

Conditions to avoid: *Normally stable. Not reactive with water.*

Hazardous Decomposition Products: *Not available.*

**11. Toxicological Information:**

According to RIFM- Monograph:

Acute Toxicity:            *Oral LD<sub>50</sub>:        g/kg*  
   *Dermal LD<sub>50</sub>:     g/kg*

Irritation:

Sensitisation:

Phototoxicity:

**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. Legislation: n/a**

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FOR AND ON BEHALF OF PHOENIX NATURAL PRODUCTS:

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

DATE:.....