

## SAFETY DATA SHEET

**Product:** Castor Oil

### 1 - Identification of Product and Supplier:

Product Name: **Castor Oil**  
Supplier: **Purple Flame Aromatherapy Ltd**, St John's Spinney, Gun Hill, New Arley, Warwickshire, CV7 8HA  
Emergency Contact: Lorraine Lusty – Tel: +44 (0) 1676 542542  
Reach registration: Exempt as per Annex IV and V according to EU Regulation 1907/2006

### 2 - Hazards identification:

The product does not belong to any list of substances supposedly hazardous to human or animal health according to EU Regulation 1272/2008 and further amendments, nor to those having recognised exposition limits. Care should be taken when handling hot oil as it may constitute a burn hazard. Spills constitute a slippage hazard

### 3 - Composition and information on ingredients:

The product does not belong to any list of substances supposedly hazardous to human or animal health according to EU guideline 548/67 and further amendments, nor to those having recognised exposition limits.

INCI Name: **Ricinus Communis (Castor) Seed Oil**  
Chemical composition: The Castor oil is expelled from the seeds of the *Ricinus Communis* (Castor seed), *Euphorbiaceae* and refined. It consists primarily of the glycerides of the fatty acid ricinoleic.  
CAS No: 8001- 79 - 4  
EINECS No: 232-293-8 (I)  
FDA No: CFR 21172.876  
Application: Emollient, skin conditioning, moisturizing, smoothing, solvent, masking

### 4 - First aid measures:

Skin contact: Wash with water and soap  
Eye contact: Flush with water  
Ingestion: Generally, first aid is not necessary. Seek medical attention in case of any adverse effects or large quantities ingested.  
Inhalation: Not applicable

### 5 - Fire - Fighting measures:

Extinguishing media: Carbon dioxide, foams rather than inert powder  
Extinguishing media to avoid: Water  
Special exposure hazards: Fine oil mists may be hazardous. Prolonged heat at above 230°C will cause combustion and decomposition, which could irritate both the eye and nasal phases.  
Protection against fire: Use protective equipment and implement fire safety standards.

### 6 - Accidental release measures:

Personal precautions: No special precautions required.  
Environment precautions: No special precautions required.  
Spillage: Use sand to absorb oil and wash floors with detergent. May cause slip on floors. If solidified, shovel into containers and dispose of accordingly.

## SAFETY DATA SHEET

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Spillage on water: Since the density of oil is lower than water, it will appear on the surface. The fat can be scraped off the surface. Disposal according to UK / EU environmental regulations.

### 7 - Handling and storage:

Present few hazards provided good housekeeping and cleanliness are maintained.

Handling precautions: Wear non-absorbent gloves, and goggles when the oil is hot

Storage conditions: Avoid extreme temperatures both high and low, and do not store in copper or copper related containers as it could affect the oil's colour

### 8 - Exposure controls and personal protection:

No special personal protective equipment required.

Respiratory protection: None required at atmospheric temperature.

Hand protection: Barrier creams are a sensible precaution, and if handling regularly, non-absorbent gloves.

Eye protection: Goggles when the oil is hot.

Skin protection: Wear sensible industrial clothing, washed regularly.

### 9 - Physical data and chemical properties:

Appearance: A clear, greenish / yellow liquid

Odour: Typical of a natural vegetable oil

pH: Neutral

Boiling point (°C): Above 300

Melting point(°C): Not applicable

Flash point (°C): Above 300

Flammability: Not flammable at normal temperatures

Auto-flammability (°C): May auto-ignite above 300

Explosive properties: Not applicable

Oxidising properties: Not applicable

Vapour pressure @20 °C: Not measurable

Relative density @20 °C: 0.9550 - 0.9660

Relative density @15.5 °C: 0.960 – 0.969

Solubility in water: Insoluble

Liposolubility: Soluble in vegetable oils

Other solubility: Soluble in most hydrocarbon solvents

Viscosity @25 °C: About 700 centipoise

Colour (Lovibond 5 1/4" cell): < 20 Y, < 2 R

### 10 - Stability and Reactivity:

Conditions to avoid: High temperature near flash point

Materials to avoid: Strong oxidising agents

Hazardous decomposition products: Acrolein at extreme heating, Caustic sodas will produce soap, and concentrated acids may oxidise the oil

Hazardous reactions: Polymerisation not likely to occur

Shelf Life: Min 12 months when stored in nitrogen flushed containers

## SAFETY DATA SHEET

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### 11 - Toxicological information:

Non toxic product

### 12 - Ecological information:

Readily biodegradable

### 13 - Disposal considerations:

Residue for disposal: according to local regulations.

Waste packing: observe local regulations.

### 14 - Transport information:

Not dangerous product:

UN/IMDG Code: Not applicable

UN No: None

ICAO/IATA Class: Not applicable

RID/ADR Class: Not applicable

ADNR Class: Not applicable

Other: Not applicable

### 15 - Regulatory information:

In compliance with the requirements in the current Cosmetic Directives 67/548 EEC et 1999/45/CE

### 16 - Other information:

#### 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 it's' 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.

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