

## CASTOR OIL MATERIAL SAFETY DATA SHEET

### 1 - Identification of Product and Supplier

Product Name: Castor Oil, No. 1

Supplier:

G. Baldwin & Co.  
173 Walworth Road,  
LONDON, ENGLAND. SE17 1RW.  
Telephone: +44 (0) 207 703 5550 Fax: +44 (0)207 252 6264  
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Emergency tel: +44 (0) 207 703 5550  
(office hours only)

### 2 - 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 cold-pressed and refined from the seeds of the Ricinus Communis (Castor seed), Euphorbiaceae. 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

**3 - Hazards identification:**

Non hazardous

**4 - First aid measures:**

Skin contact: Wash with water and soap

Eye contact: Flush with water

Ingestion: Do not ingest. If consumed drink plenty of water and seek medical  
attention.

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:**

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.

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

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

#### **11 - Toxicological information:**

Non toxic product - pharmaceutical use – food grade

#### **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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