



AUSTRALIA NATURAL PRODUCTS

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(In Accordance with Regulation (EU) No. 1907/2006 and OSHA (US) 29 CFR 1910.1200 and 49 CFR)

Product: Castor Oil

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier:

Product name: Castor Oil (First Press / Refined)

Chemical name / Botanical name: Ricinus communis Seed Oil

CAS: 8001-79-4

EC Number: 232-293-8

EC REACH Registration number: Exempt / Not subject to registration

Index No / Inventory Num.: -

1.2 Usage:

This product is intended for use in cosmetics, personal care formulations, pharmaceuticals, lubricants, coatings, and general industrial applications.

Strongly discouraged: Not intended for direct consumer ingestion in bulk quantities without pharmaceutical or medical oversight.

1.3 Details of the supplier:

Australia Natural Products

19 First Avenue, Rodd Point, NSW 2046, Australia

Email: info@australianatural.com.au

Tel: +61 452 101 623

1.4 24 Hour Emergency telephone number:

National Poisons Information Centre: 13 11 26 (Australia)

Section 2: Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP):

Not classified as a hazardous substance according to CLP / GHS criteria.

2.2 Label Elements

EC Number: 232-293-8

Castor Oil

Signal word: None

Hazard Statements:

No hazard statements applicable under normal conditions.

Precautionary Statements:

P262: Do not get in eyes, on skin, or on clothing.

P281: Use personal protective equipment as required.

2.3 Other Hazards:

Slippery when spilled. Hot liquid may cause thermal burns.

Section 3: Composition/Information on Ingredients

3.1 Substances

Concentration range of the constituent (% weight/weight)	EC Number / Registration Number	CAS number	Chemical Name
100%	232-293-8	8001-79-4	Ricinus communis Seed Oil (Triglyceride of ricinoleic acid)

Section 4: First Aid Measures

4.1 Description of First Aid Measures

Consumption: In small amounts, no emergency measures normally required. If large amounts are swallowed, rinse mouth with water and seek medical attention if discomfort occurs.

Eye contact: Rinse cautiously with plenty of water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

Inhalation: Remove person to fresh air. Seek medical attention if symptoms persist.

Skin contact: Wash skin with soap and water. In case of contact with molten product, cool rapidly with cold water and seek medical attention for thermal burns.

4.2 Most important symptoms and effects, both acute and delayed:

Direct contact with eyes may cause mild temporary irritation. Hot liquid can cause thermal burns.

4.3 Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

Section 5: Fire Fighting Measures

5.1 Extinguishing media:

Recommended: Foam, dry powder, carbon dioxide (CO₂). Do not use a solid water stream directly on burning oil as it may splatter.

5.2 Special hazards arising from the substance or mixture:

Combustible at high temperatures. Burning produces irritating and toxic fumes (carbon monoxide, carbon dioxide).

5.3 Advice for firefighters:

Wear self-contained breathing apparatus and full protective gear. Prevent runoff from entering drains or water courses.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid contact with eyes and skin. Floor may be slippery; use caution to prevent slips and falls. Wear appropriate protective equipment.

6.2 Environmental precautions:

Do not discharge into drains, surface waters, or groundwater.

6.3 Methods and material for containment and cleaning up:

Contain spill with inert absorbent material (e.g., sand, earth, sawdust). Scoop up and place in a suitable container for disposal. Clean surface thoroughly with hot water and detergent.

6.4 Reference to other sections: See Sections 8 and 13.

Section 7: Handling and storage

7.1 Precautions for safe handling:

Handle in accordance with good industrial hygiene and safety practices. Avoid contact with eyes and prolonged skin contact. Ensure adequate ventilation if handled hot.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a cool, dry, and well-ventilated area away from direct sunlight and heat sources. Keep containers tightly closed.

7.3 Specific end use(s): Not available beyond the identified uses.

Section 8: Exposure controls/personal protection

8.1 Control parameters

No specific occupational exposure limit has been established for the product as a whole (vegetable oil mist limits may apply locally: 10 mg/m³ total dust).

8.2 Exposure controls

Engineering Controls-Ventilation: Ensure adequate ventilation, especially in confined areas.

Respiratory Protection: Normally not required. Use respiratory protection if mist or vapor is generated.

Skin Protection: Wear protective gloves if handling hot material or for prolonged contact.

Eye/Face protection: Safety glasses with side shields recommended.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance: Viscous liquid

Color: Colorless to pale yellow

Odor: Odorless or faint characteristic bland odor

Boiling Point: > 300 °C

Relative density: 0.952 – 0.966 g/cm³ at 20 °C

Refractive index: 1.473 – 1.477 at 20 °C

Flash Point: > 229 °C (closed cup)

Solubility in water: Practically insoluble in water; soluble in ethanol and ether

Section 10: Stability and reactivity

10.1 Reactivity: Stable under normal conditions.

10.2 Chemical stability: Stable under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions: None under normal processing.

10.4 Conditions to avoid: Excessive heat, open flames, and prolonged exposure to air/sunlight.

10.5 Incompatible materials: Strong oxidizing agents.

10.6 Hazardous decomposition products: Carbon monoxide, carbon dioxide, and acrolein upon thermal decomposition.

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Non-toxic under standard industrial handling.

Skin corrosion/irritation: Non-irritating under normal conditions. Prolonged contact may cause mild irritation.

Serious eye damage/irritation: May cause slight temporary eye irritation.

Respiratory or skin sensitization: Not a skin sensitizer.

Germ cell mutagenicity: No data indicating classification available.

Carcinogenicity: Not classified as carcinogenic.

Reproductive toxicity: No data indicating classification available.

STOT-single exposure: No data indicating classification available.

STOT-repeated exposure: No data indicating classification available.

Aspiration toxicity: Not classified as an aspiration hazard.

Section 12: Ecological information

12.1 Acute aquatic toxicity: Biodegradable product, low ecotoxicity.

12.2 Persistence and degradability: Readily biodegradable.

12.3 Bioconcentration Factor: Not bioaccumulative.

12.4 Mobility in soil: Low mobility.

12.5 Results of PBT and vPvB assessment: Not determined.

12.6 Other adverse effects: No major ecological hazards known under normal use.

Section 13: Disposal considerations

13.1 Waste treatment methods

Container disposal: Dispose of in accordance with local, state, and national regulations. Empty containers should be recycled or disposed of through an approved waste management facility.

Disposal conditions: Do not discharge into natural waterways or drainage systems.

Section 14: Transport information

14.1 International Carriage of Dangerous Goods by Road (ADR)

Not classified as dangerous goods under transport regulations.

UN No.: Not regulated

Proper Shipping Name: Not regulated

Packing Group: Not regulated

Class: Not regulated

14.2 Sea Transport (IMDG)

Not restricted under IMDG.

UN No.: Not regulated

Proper Shipping Name: Not regulated

14.3 Air Transport (ICAO/IATA)

Not restricted under IATA.

Section 15: Regulatory information

15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture:

Prepared with reference to Regulation (EC) No 1272/2008 (CLP), Regulation (EC) No 1907/2006 (REACH), and OSHA 29 CFR 1910.1200.

15.2 Chemical safety assessment: Not required.

Section 16: Other information

Key literature references and sources for data:

1. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
2. Safety data for natural vegetable oils and general industrial ingredients compliance.

Disclaimer: *Information in this SDS is based on available published sources and is believed to be accurate. No warranty, express or implied, is made and the company assumes no liability resulting from the use of this SDS. Each user of this material needs to evaluate the conditions of use and design appropriate protective measures.*

Revision: 24 September 2026

End of Safety Data Sheet