

Safety Data Sheet **CASTOR OIL**

SDS no. 8YK1NYYE • Version 1.0 • Date of issue: 2025-12-23

SECTION 1: Identification

GHS Product identifier

Product name CASTOR OIL

Other means of identification

Product Product Code

Castor Oil BP CP043
Castor Oil TG CT043

Recommended use of the chemical and restrictions on use

Plasticiser in lacquers and nitrocellulose, production of dibasic acids, lipsticks, polyurethane coatings, elastomers and adhesives, fatty acids, surface-active agents, hydraulic fluids, pharmaceuticals, industrial lubricants, electrical insulating compounds, manufacture of Turkey Red Oil, source of sebacic acid and of ricinoleates, medicine (laxative) and laboratory reagent.

Supplier's details

Name ChemSupply Australia Pty Ltd
Address 38-50 Bedford Street
5013 Gillman South Australia
Australia

Telephone 08 8440 2000
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Emergency phone number

CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)

SECTION 2: Hazard identification

General hazard statement

Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).

Classified as non-Hazardous according to the Globally Harmonised System of classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classification of the substance or mixture

GHS classification in accordance with: UN GHS revision 7

Not a hazardous substance or mixture.

GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

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Other hazards which do not result in classification

Not a hazardous substance or mixture.

SECTION 3: Composition/information on ingredients

Mixtures

Information on Composition: Castor oil is a triglyceride of fatty acids. The fatty acid composition is approximately ricinoleic acid (87%); oleic acid (7%); linoleic acid (3%); palmitic acid (2%); stearic acid (1%) and trace amounts of dihydroxystearic acid.

Component	Identification	Weight %	Classifications
Castor oil	CAS no.: 8001-79-4 EC no.: 232-293-8	<= 100 %	CLASSIFICATIONS: No data available. HAZARDS: No data available.

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice

First Aid Facilities: Maintain eyewash fountain in work area.

If inhaled

If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

In case of skin contact

Rinse with plenty of water. Get medical attention if irritation develops and persists.

In case of eye contact

If contact with the eye(s) occurs, wash with copious amounts of water for approximately 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If persistent irritation occurs, obtain medical attention.

If swallowed

Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.

Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of immediate medical attention and special treatment needed, if necessary

For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Use dry chemical, CO₂, water spray or alcohol-resistant foam.

If safe to do so, move undamaged containers from the fire area. Cool containers with flooding quantities of water until well after the fire is out.

Specific hazards arising from the chemical

May liberate toxic fumes in fire such as oxides of carbon.

Special protective actions for fire-fighters

Wear SCBA and structural firefighter's uniform.

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SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. For personal protection see section 8.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed containers for disposal.

SECTION 7: Handling and storage

Precautions for safe handling

Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.

Skin protection

Clean impervious clothing should be worn. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

Body protection

Footwear: Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.

Body Protection: Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

Respiratory protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/ mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/ NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/ NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Appearance, such as physical state and colour	Pale yellowish or almost colourless, transparent, viscous liquid.
Colour	Pale yellowish or almost colourless
Odour	Faint mild odour.

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Odour threshold	No data available.
Melting point and freezing point	-10 °C
Boiling point or initial boiling point and boiling range	313 °C
Flammability	No data available.
Lower and upper explosion limit or lower and upper flammability limit	No data available.
Flash point	>113.00°C (closed cup)
Explosive properties	No data available.
Auto-ignition temperature	448 °C
Decomposition temperature	No data available.
Oxidising properties	No data available.
pH	Acid value=1.0 max.
Kinematic viscosity	No data available.
Solubility	Solubility in Water: Negligible (<0.1%). Solubility in Organic Solvents: Soluble in alcohol, benzene, chloroform and carbon disulfide.
Partition coefficient — n-octanol/water (logarithmic value)	No data available.
Vapour pressure	No data available.
Evaporation rate	No data available.
Density and relative density	Specific Gravity: 0.961-0.963 @ 15.5 °C
Relative vapour density	No data available.
Particle characteristics	No data available.

Supplemental information regarding physical hazard classes

No data available.

Further safety characteristics (supplemental)

No data available.

SECTION 10: Stability and reactivity

Reactivity

Stable under normal conditions of storage and handling.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal use conditions.

Hazardous Polymerization: Will not occur.

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Conditions to avoid

Excessive heat, freezing and incompatibles.

Incompatible materials

Strong oxidizers.

Hazardous decomposition products

Carbon oxides may form when heated to decomposition.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Ingestion: Laxative. Ingestion of large quantities may cause nausea, vomiting, colic, and severe purgation. It should not be given when intestinal obstruction is present. Has also caused uterine cramps, bleeding and abortion. Risk of aspiration if vomiting occurs, with further risk of lipid pneumonia.

Inhalation: Allergic asthmatic reaction may occur in persons previously exposed.

Skin corrosion/irritation

Rarely, allergic contact dermatitis may occur in previously exposed individuals.

Serious eye damage/irritation

Application of oil is considered to be bland and innocuous. However, irritation has been reported in laboratory animals.

Respiratory or skin sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

Specific target organ toxicity (STOT) - single exposure

Not classified based on available information.

Specific target organ toxicity (STOT) - repeated exposure

Not classified based on available information.

Aspiration hazard

Not classified based on available information.

Additional information

Chronic Effects: Can cause fluid and electrolyte imbalance and possible laxative dependence.

SECTION 12: Ecological information

Toxicity

No data available.

SECTION 13: Disposal considerations

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Disposal methods

Product disposal

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers.

Other disposal recommendations

Do not discharge this material into waterways, drains and sewers.

SECTION 14: Transport information

ADG (Road and Rail)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

Australia SUSMP

Poison Schedule: NS

SECTION 16: Other information

Further information/disclaimer

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Standard for the Uniform Scheduling of Medicines and Poisons, Commonwealth of Australia

National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.'

Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals', July 2020.

Safe Work Australia, 'National Guide for Classifying Hazardous Chemicals', July 2020.

Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants, December 2019

Safe Work Australia, Hazardous Chemical Information System (HCIS), hcis.safeworkaustralia.gov.au

IATA, Dangerous Goods Regulations (DGR)

IMO, International Maritime Dangerous Goods Code (IMDG)