



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: Neem Oil

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

1.1 Product identifier:

Product name: Neem Oil (Cold Pressed / Virgin)

Chemical name / Botanical name: Azadirachta indica Seed Oil

CAS: 8002-65-1 (or 68916-91-6)

EC Number: 283-644-7 (or equivalent)

EC REACH Registration number: Exempt / Not subject to registration

Index No / Inventory Num.: -

1.2 Usage:

This product is intended for use in agricultural formulations, organic pest control, cosmetics, personal care products, and related industrial applications.

Strongly discouraged: Not intended for direct food consumption unless specifically processed and approved.

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):

- Skin sensitization, Hazard Category 1

- Serious eye damage/eye irritation, Hazard Category 2
- Hazardous to the aquatic environment — long-term hazard, Category 3

2.2 Label Elements

EC Number: 283-644-7

Neem Oil

Signal word: Warning

Hazard Statements:

- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements:

- P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
- P273: Avoid release to the environment.
- P280: Wear protective gloves/eye protection/face protection.
- P302+P352: IF ON SKIN: Wash with plenty of water.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313: If eye irritation persists: Get medical advice/attention.
- P501: Dispose of contents/container in accordance with local regulations.

2.3 Other Hazards:

Slippery when spilled. Characteristic strong pungent odor.

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%	283-644-7	8002-65-1	Azadirachta indica Seed Oil (Neem Oil)

Section 4: First Aid Measures

4.1 Description of First Aid Measures

Consumption: If swallowed, rinse mouth with water. Do NOT induce vomiting. Seek medical attention if discomfort persists.

Eye contact: Rinse cautiously with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Remove contact lenses if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

Inhalation: Remove person to fresh air and keep at rest in a comfortable position. Seek medical attention if symptoms occur.

Skin contact: Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical attention if skin irritation or rash develops.

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

May cause skin sensitization and allergic reactions. Causes serious eye irritation upon direct contact.

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 to avoid spreading.

5.2 Special hazards arising from the substance or mixture:

Combustible liquid at elevated temperatures. Thermal decomposition may release carbon monoxide, carbon dioxide, and irritating smoke.

5.3 Advice for firefighters:

Wear self-contained breathing apparatus (SCBA) and full protective gear. Prevent fire-fighting run-off from entering waterways or drains.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid contact with skin, eyes, and clothing. Wear appropriate protective equipment. Floors may become slippery; exercise caution to prevent slips.

6.2 Environmental precautions:

Prevent entry into sewers, surface water, and groundwater. Inform authorities if large quantities enter waterways.

6.3 Methods and material for containment and cleaning up:

Contain spill with inert absorbent material (e.g., sand, earth, vermiculite). Collect into suitable labeled containers for disposal. Wash spill area 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:

Use only with adequate ventilation. Avoid contact with skin and eyes. Wear personal protective equipment. Wash thoroughly after handling. Do not eat, drink, or smoke in work areas.

7.2 Conditions for safe storage, including any incompatibilities:

Store in original tightly closed container in a cool, dry, and well-ventilated area away from direct sunlight, heat sources, and open flames.

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 limits established for this substance. Use general ventilation and standard workplace hygiene.

8.2 Exposure controls

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

Respiratory Protection: Normally not required. Use a respirator with organic vapor cartridge if mist or vapor concentration is high.

Skin Protection: Wear chemical-resistant gloves (e.g., nitrile or rubber) and protective work clothing.

Eye/Face protection: Chemical safety goggles or safety glasses with side shields.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance: Liquid to semi-solid (solidifies at lower temperatures)

Color: Dark green to brownish-yellow

Odor: Strong, garlic-like, sulfurous, characteristic pungent herbal odor

Boiling Point: > 200 °C

Relative density: 0.905 – 0.930 g/cm³ at 20 °C

Refractive index: 1.460 – 1.475 at 20 °C

Flash Point: > 160 °C (closed cup)

Solubility in water: Insoluble (forms emulsion with surfactants)

Section 10: Stability and reactivity

10.1 Reactivity: Stable under normal storage and handling conditions.

10.2 Chemical stability: Stable under recommended conditions.

10.3 Possibility of hazardous reactions: None under normal processing.

10.4 Conditions to avoid: Excessive heat, open flames, and direct sunlight.

10.5 Incompatible materials: Strong oxidizing agents, strong acids, and strong bases.

10.6 Hazardous decomposition products: Carbon monoxide, carbon dioxide, and acrid smoke.

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Low acute toxicity based on available data.

Skin corrosion/irritation: May cause mild skin irritation upon prolonged contact.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitization: May cause an allergic skin reaction (Skin Sensitization Category 1).

Germ cell mutagenicity: No data indicating classification available.

Carcinogenicity: Not classified as a carcinogen.

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: Harmful to aquatic life with long-lasting effects.

12.2 Persistence and degradability: Readily biodegradable.

12.3 Bioconcentration Factor: Low potential for bioaccumulation.

12.4 Mobility in soil: Low mobility in soil.

12.5 Results of PBT and vPvB assessment: Not determined.

12.6 Other adverse effects: Avoid release into natural water systems, drains, or soil.

Section 13: Disposal considerations

13.1 Waste treatment methods

Container disposal: Dispose of empty containers in accordance with local and national regulations. Do not re-use empty containers.

Disposal conditions: Do not discharge waste into drains or watercourses. Incinerate or dispose of via an authorized waste disposal contractor.

Section 14: Transport information

14.1 International Carriage of Dangerous Goods by Road (ADR)

Not regulated as dangerous goods for transport.

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 regulations.

UN No.: Not regulated

Proper Shipping Name: Not regulated

14.3 Air Transport (ICAO/IATA)

Not restricted under IATA regulations.

Section 15: Regulatory information

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

Prepared in accordance with 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. Supplier safety data sheets and chemical databases for Azadirachta indica seed oil.

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.

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End of Safety Data Sheet