MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Product name: neem seed oil (Azadirachea indica)

Batch: 8521

CAS: 8002-65-1

Contact: Go Native New Zealand PO Box 32579 Devonport Auckland, New Zealand Ph (0064 9) 4453549

HMIS Rating:

Health: 0

Flammability: 0

Reactivity: 0

The HMIS (Hazardous Materials Identification System) is a subjective rating system developed by the National Paint and Coating Association. Numerical ratings for health (H), flammability (F), and reactivity (R) are made using a scale of 0-4 where 0=no hazard, 1=slight hazard, 2=moderate hazard, 3=high hazard, 4=extreme hazard.

SECTION 2: COMPOSITION AND INGREDIENTS

Product	Neem seed oil
	Certified organic, QAI
Appearance	Dark brown
Odour	Typical
Origin	India
Azadirachtin ppm	1550
Refractive index @25°C	1.463
Saponification	192
Iodine value	74.05

SECTION 3: HAZARDS IDENTIFICATION

Health hazards (acute and chronic):

Ingestion: Slightly hazardous.

Eye contact: Slightly hazardous

Skin contact: Not hazardous.

SECTION 4: FIRST AID INFORMATION

Emergency and first aid procedures:

Ingestion: Do not induce vomiting. If large quantities are swallowed, call a doctor immediately.

Eye contact: Flush thoroughly with water for 15 minutes. Seek medical attention if irritation persists.

Skin: Wash with warm soapy water. NZ Emergency Telephone

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Number: 111 or call Local Poison Control Centre: 0800764766.

SECTION 5: FIRE FIGHTING INFORMATION

Flammability: May be combustible at high temperatures.

Auto-ignition temperature: 343°C.

Firefighting Instructions: small fire – use dry chemical powder; large fire – use water spray, fog or foam.

Do not use water jet.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: none.

Small spill: absorb with an inert material and put the spilled material in an appropriate waste disposal unit.

Large spill: As for a small spill. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

SECTION 7: HANDLING AND STORAGE

Keep away from heat, from sources of ignition.

Empty containers pose a fire risk, evaporate the residue under a fume hood.

Keep away from incompatibles such as oxidizing agents, acids.

Keep container tightly closed, in a well-ventilated area.

Do not store above 23°C.

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SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

None.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance & odour: liquid; none.

Flash point: N/A

Water solubility: insoluble.

pH: N/A

SECTION 10: STABILITY AND REACTIVITY

Possible hazardous reactions/conditions/byproducts: none known. Conditions of instability: rancid on exposure to air; begins to get turbid at 5 to 10C. Materials to avoid: none known. Hazardous decomposition products: none. Other recommendations: none. Stability: stable. Hazardous polymerisation: will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of entry: skin and eyes. Toxic effects: not hazardous in case of ingestion of large amounts.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

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SECTION 13: DISPOSAL AND TRANSPORT CONSIDERATIONS

N/A.

SECTION 14: REGULATORY INFORMATION

N/A.

SECTION 15: DISCLAIMER

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