MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Product name: Cumin essential oil
Botanical name: Cuminum cyminum
Supplier: Go Native New Zealand, PO Box 32579 Devonport, Auckland 0624.

SECTION 2: CLASSIFICATION

CAS USA: 8014-13-9
24 HOUR Emergency Phone No: 111

SECTION 3: HAZARDS IDENTIFICATION

Eyes: Hazardous in case of eye contact
Skin: Hazardous in case of skin contact
Ingestion: Harmful. May cause lung damage if swallowed.

SECTION 4: FIRST AID INFORMATION

Emergency and first aid procedures:
Ingestion: Rinse mouth out with water. Call a doctor immediately.
Inhalation: Remove to fresh air. Keep at rest. Obtain medical attention.
Eye contact: Flush thoroughly with water for 15 minutes. Seek medical attention if irritation persists.
Skin: Remove contaminated clothing. Wash with warm soapy water. If irritation Persists, seek medical advice.
NZ Emergency Telephone Number: 111 or call Local Poison Control Centre: 0800764766.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media: Use CO2, dry powder or foam extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.
Special measures: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus and protective clothing.
Extinguishing procedures: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: See first aid section. Avoid inhalation and direct contact with skin and eyes. Use individual protective equipment in case of major spillages.
Environmental precautions: Keep away from drains, soils, surface and ground waters.
Cleaning up methods: Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic absorbent material, or sweep up and remove to an approved disposal container. Observe local disposal regulations.

SECTION 7: HANDLING AND STORAGE

Precautions in handling: Apply good manufacturing practice and industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene and do not eat, drink or smoke while handling.
Storage conditions: Store in a tightly closed original container, in a cool, dry and ventilated area away from heat sources and protected from light. Keep air contact to a minimum.
Fire protection: Keep away from ignition sources and naked flames. Take precautions to avoid static discharges in working area.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Respiratory protection: Avoid breathing product vapour. Apply local ventilation where possible.
Ventilation: Ensure good ventilation of working area.
Hand protection: Avoid all skin contact. Use chemically resistant gloves if required.
Eye protection: Use safety glasses.
Work/hygiene practices: Wash hands with soap and water after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Colour	Yellow
Odour	Characteristic aroma
Specific gravity @20°C	0.900 – 0.940
Optical rotation @20°C	+1° to +8°
Refractive index @20°C	1.4910 – 1.5090
Solubility	Soluble in alcohol; insoluble in water

SECTION 10: STABILITY AND REACTIVITY

Reactivity: It presents no significant reactivity hazards by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.
Decomposition: Liable to cause smoke and acrid fumes during combustion: carbon monoxide, carbon dioxide and non-identified organic compounds may be formed.

SECTION 11: TOXICOLOGICAL INFORMATION

Not available.

SECTION 12: ECOLOGICAL INFORMATION

Biodegradability: Not readily biodegradable.
Precautions: Prevent surface contamination of soil, ground and surface water.

SECTION 13: DISPOSAL CONSIDERATIONS

Avoid disposing into drainage systems and into the environment. Seek expert advice.

SECTION 14: TRANSPORT REGULATIONS

14.2 Classified as dangerous goods, class 3 (flammable liquids), packaging group.
Not to be transported with Classes 1 (Explosives), 2.1 (Flammable Gases), this applies only when the capacity of the individual container exceeds 500L, 2.3 (Toxic Gases), 4.2 (Spontaneously Combustible Substances), 5.1 (Oxidising Agents), 5.2 (Organic Peroxides), 7 (Radioactive Substances), and Foodstuffs or Foodstuff empties.
14.2 UN Number: 1169
14.3 Proper Shipping Name: Extracts, Aromatics, Liquid
14.4 Technical Shipping Name: Cumin Oil
14.5 DG Class/ Subsidiary Risk: Class 3; no subsidiary risk
14.6 Packaging Group: III
14.7 Special Precautions: None established
14.8 Hazchem Code: 3(Y)

14.9 Maritime Transportation IMDG

IMDG Class: 3
Label: 3
UN No: 1169
Packaging Group: III
EMS No: F-E, S-E
Marine Pollutant: Yes
Proper Shipping Name: Extracts, Aromatics, Liquid
Technical Shipping Name: Cumin Oil

14.10 Air Transportation ICAO-TI and IATA-DGR

ICAO/IATA Class: 3
Label: 3
UN No: 1169
Packaging Group: III
Proper Shipping Name: Extracts, Aromatics, Liquid
Technical Shipping Name: Cumin Oil

SECTION 15: REGULATORY INFORMATION

Hazards: Harmful
Symbols: Xn
Risk phrases: R22 Harmful if swallowed
R36/38 Irritating to eyes and skin
Safety phrases: S24/25 Avoid contact with skin and eyes
S37 Wear suitable gloves
S46 If swallowed, seek medical advice immediately and show the container or label.

SECTION 16: DISCLAIMER

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