



NEW DIRECTIONS AROMATICS

MATERIAL SAFETY DATA SHEET

SECTION: 1.1 PRODUCT IDENTIFICATION

Product Name: Chamomile South Africa (Cape) Essential Oil
Botanical Name: *Eriocephalus punctulatus*
INCI Name: *Eriocephalus punctulatus* (chamomile) oil
Common Name: Snow Bush, Wild Rosemary, Cape chamomile
CAS #: 94334-04-4
County of Origin: South Africa

SECTION: 1.2 COMPANY IDENTIFICATION

Company: New Directions Aromatics Inc.
Address: 6781-Columbus Road, Mississauga. L5T 2G9 Canada
Telephone No: 905-362-1915
FAX: 905-362-1926

24 HOUR EMERGENCY TELEPHONE NUMBER: (613)-996-6666 CANUTEC

SECTION: 2. COMPOSITION / INFORMATION INGREDIENTS

Contents: 2-methylpropyl 2-methyl propanoate, 2-methylbutyl 2-methyl propanoate, p-Cymene; Camphor, Borneol, Terpinen-4-ol, 7-Methyl-2-octyl-acetate, Linalyl Acetate, a-Copaene,

2-methylpropyl 2-methyl propanoate	13 – 17%	Terpinen-4-ol	2.0 – 5.0%
2-methylbutyl 2-methyl propanoate	22 – 28%	7-Methyl-2-octyl-acetate	3.0 – 5.0%
3-methylbutyl 2-methyl propanoate	2.5 – 3.5%	Linalyl Acetate	3.0 – 6.0%
p-Cymene	1.0 – 2.0%	a-Copaene	0.5 – 2.0%
Camphor	2.0 – 5.0%	2-Methyl Propyl Angelate	2.0 – 5.0%

SECTION: 3. HAZARDS IDENTIFICATION

Main Effect on health and environment Xn = Harmful
Water hazard class WGK1
(Weak hazard to water)

SECTION: 4. FIRST AID MEASURES

Eye Contact: Rinse eyes with water immediately. Seek medical attention if irritation persists.
Inhalation: Remove to fresh air.
Ingestion: Rinse mouth water and consult a physician immediately.
Skin Contact: Skin contact can produce irritation, or itching of the skin. Remove contaminated clothing Wash with soap and plenty of water. Seek medical attention if irritation persists.

SECTION: 5. FIRE FIGHTING MEASURES

Flash Point: 48 °C
Combustible liquid. Will ignite if moderately heated.
Extinguishing media: Carbon Dioxide, dry chemical or foam. Closed containers may build up pressure at elevated temperature
Special Procedures: N/A
Unusual Firefighting Hazards: None identified.
Protective Equipment: Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving essential oils or chemicals.
Combustion Product: Carbon Monoxide, Carbon Dioxide



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SECTION: 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear approved chemical resistant protective clothing, gloves and safety glasses. Ensure adequate ventilation. Keep spill away from ignition sources.
Safety Precautions:	Eliminate all ignition sources. Ventilate area. Determine the need to evacuate or isolate the area according to your local emergency plan.
Environmental Precautions:	Keep away from drains, surface and ground water. Report spills to appropriate Authorities if required.
Methods For Cleaning Up:	Contain and collect with inert absorbent material and place in suitable container for disposal. Comply with all federal, state, and local regulation. Wipe small spills with cloth. Clean with hot water and detergent.

SECTION: 7. HANDLING AND STORAGE

Handling:	Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Contaminated clothing and shoes should be cleaned before re-use.
Storage:	Containers should be kept closed in order to minimize contamination. Store in a cool, dry, well ventilated place protected from light. Make sure the material does not come into contact with substances listed as: "Materials to Avoid".

SECTION: 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes Protection:	The use of safety glasses is recommended. If a material is to be handled in a manner where splashing may occur, the use of splash goggles or face shield is recommended
Respiratory Protection:	In well- ventilated areas, respiratory protection is not normally required. In confined, poorly ventilated areas the use of "NIOSH" approved respiratory protection normally required (use only if trained in proper use and with acceptable oxygen level).
Protective Gloves:	Using chemical resistant gloves is recommended.
Protective Clothing:	Using chemical resistant clothing is recommended.
Protective Equipment:	An eyewash fountain and / or safety shower should be available in the work area. Acceptable industrial hygiene practices should be maintained.
Note:	These precautions are for room temperature handling. Use at elevated temperature or aerosol / spray applications may require additional precautions

SECTION: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Medium blue to dark blue transparent liquid.
Odor:	Characteristic sweet somewhat fruity odor.
Solubility:	Soluble in alcohol and oils. Insoluble in water.
Boiling Point:	140 °C
Specific Gravity:	0.880 – 0.930 @ 20°C
Refractive Index:	1.420 – 1.486 @ 20°C
Extraction Method:	Steam distillation of flower heads.



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SECTION: 10. STABILITY AND REACTIVITY

Stability:	Chemically stable. This material presents no significant reactivity hazard.
Conditions to Avoid:	Avoid sparks, flame and excessive heat.
Materials to Avoid:	Strong oxidizing agents.
Flammability:	Combustible liquid.
Hazardous Polymerization:	Will not occur.
Hazardous Combustion or Decomposition Products:	None known. When heated to decomposition produces acid fumes and carbon monoxide smoke.

SECTION: 11. TOXICOLOGICAL INFORMATION

Inhalation:	N/A
Skin Contact:	N/A
Eye Contact:	May irritate eyes.
Ingestion:	N/A
Medical Conditions Aggravated by Exposure:	N/A
Chronic Toxicity:	N/A
Carcinogenicity Data:	None of the components of this material are listed as a carcinogen.
Reproductive Toxicity:	No adverse effects on reproduction are known.
Acute Toxicity Values:	No data is currently available.

SECTION: 12. ECOLOGICAL INFORMATION

Very toxic to aquatic organism may cause long-term adverse effects in the aquatic environment. Avoid any pollution of ground, surface or underground water.

SECTION: 13. DISPOSAL CONSIDERATION

Incineration or sanitary landfill in accordance with local, provincial and federal regulations. Check with disposal expert to insure compliance

SECTION: 14. TRANSPORT INFORMATION

US DOT Shipping Description:	Check appropriate authority
IATA Shipping (Air):	Check appropriate authority
IMDG Shipping Description:	Check appropriate authority

SECTION: 15. REGULATORY INFORMATION

WHMIS (Canada):	N/A
HMIS (USA):	Health Hazard –N/A Fire Hazard – N/A Reactivity – N/A
SARA 302/ SARA 313:	None
EU Labeling:	Xn Harmful R22 Harmful if swallowed. S24 Avoid skin contact S25 Avoid eye contact
HMIS Rating:	Health: N/A Flammability: N/A Reactivity: N/A



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SECTION: 16. OTHER INFORMATION

Revision Date: June 7, 2011

SECTION: 17. DISCLAIMER

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CERTIFICATE OF ANALYSIS

Product: Chamomile South Africa (Cape) Essential Oil
Lot No.: 11242-A08
Manufacturing Date: January, 2010
Best Before: January, 2013

<u>Property</u>	<u>Specification</u>	<u>Result</u>
Appearance:	Medium blue to dark blue transparent liquid.	Complies
Odor:	Characteristic sweet somewhat fruity odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.880 – 0.930 @ 20°C	0.8896
Refractive Index:	1.420 – 1.486 @ 20°C	1.4302

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