



NEW DIRECTIONS AROMATICS

MATERIAL SAFETY DATA SHEET

SECTION: 1.1 PRODUCT IDENTIFICATION

Product Name: Lavandin Abrialis Essential Oil
Botanical Name: Lavandula intermedia var Abrialis
Synonyms: Lavandula hybridia var Abrialis, L. angustifolia x lavandula latifolia
Procedure: Steam distillation of the flowering tops.
INCI Name: Lavandula intermedia (lavandin) oil
Country of Origin: France

SECTION: 1.2 COMPANY IDENTIFICATION

Company: New Directions Aromatics Inc.
Address: 6781-Columbus Road, Mississauga. L5T 2G9 Canada
Telephone No: 905-362-1915
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24 HOUR EMERGENCY TELEPHONE NUMBER: (613)-996-6666 CANUTEC

SECTION: 2. COMPOSITION / INFORMATION INGREDIENTS

Description: Lavandin Abrialis Oil

CAS # : 8022-15-9

Components:

Chemical Name	CAS Number	EINECS Number	R-Phrases	Proportions [%w/w]
Acetate linalyle	115-95-7	204-116-4	N 51/53; H227; Aquatic Chronic 2-H411; H401	20.01 – 50.00
<i>p</i> -menth-1-en-ol	562-74-3	209-235-5	Xn 22-38; Acute Tox. 3-H301, Skin Irrit. 2-H315; H227	1.01 – 5.00
Camphor	76-22-2	200-945-0	Xn 20-68/22	10.01 – 20.00
Linalool	78-70-6	201-134-4	Xi 38	20.01 – 50.00
<i>p</i> -menth-1-en-8-ol	98-55-5	202-680-6	Xi 38	1.01 – 5.00
<i>d</i> -limonene	5989-27-5	227-813-5	N Xi 10-38-43-50/53	1.01 – 5.00

Level of products classified Xn R65 – None

SECTION: 3. HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No 1272/2008

GHS07 Skin Sens. 1 - H317 May cause an allergic skin reaction.

H227 Combustible liquid.

H303 May be harmful if swallowed.

H313 May be harmful in contact with skin.

H333 May be harmful if inhaled.

H402 Harmful to aquatic life.

Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Xi Irritant: R 38 - Irritating to skin.

Information concerning particular hazards for human and environment: At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Labeling according to EU guidelines: The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Code letter and hazard designation of product:

Xi Irritant



NEW DIRECTIONS

A R O M A T I C S

MATERIAL SAFETY DATA SHEET

Risk phrases: R 38 - Irritating to skin.

Safety phrases: S 24 - Avoid contact with skin.

S 37 Wear suitable gloves.

Hazard description: Xi Irritant

Information concerning particular hazards for human and environment:

R 43 - May cause sensitization by skin contact.

R 52/53 - Harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment.

R 66 - Repeated exposure may cause skin dryness or cracking. At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

GHS label elements

H317 - May cause an allergic skin reaction.

H227 - Combustible liquid.

H303 - May be harmful if swallowed.

H313 - May be harmful in contact with skin.

H333 - May be harmful if inhaled.

H412 - Harmful to aquatic life with long lasting effects.

Prevention:

P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

P272 - Contaminated work clothing should not be allowed out of the

Workplace:

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P403+P235 Store in a well-ventilated place. Keep cool.

P501a Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION: 4. FIRST AID MEASURES

Eye Contact:	Contact with eyes can produce burning sensation. Irrigate with water immediately, continue flushing eyes with water for 15 minutes. Seek medical attention if irritation persists.
Inhalation:	Remove to fresh air. Give oxygen if breathing is labored and seek medical advice. Avoid casual breathing. Signs of over exposure are dizziness and nausea.
Ingestion:	Rinse mouth; dilute with milk or water and consult a physician immediately. Do not induce vomiting. Never-give anything by mouth if victim is unconscious, is rapidly-losing or is convulsing.
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

Flammable Limits: Flash Point	74°C
Extinguishing media:	Carbon Dioxide, dry chemical or foam. DO NOT USE direct water jet on burning material.
Special Procedures:	Determine the need to evacuate or isolate the area according to your local emergency plan.
Unusual Firefighting Hazards:	None identified.



NEW DIRECTIONS

A R O M A T I C S

MATERIAL SAFETY DATA SHEET

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

SECTION: 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use of self-contained breathing apparatus is recommended for any major chemical spill. Refer also to section 8.

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. Wash after any contact, before breaks and meals and at the end of the work period. 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. Keep away from extreme heat and from freezing conditions and away from all sources of ignition. 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: Light yellow liquid

Odor: Characteristic

Solubility: Soluble in ethyl alcohol, insoluble in water



NEW DIRECTIONS

A R O M A T I C S

MATERIAL SAFETY DATA SHEET

Specific Gravity:	0.887 – 0.897 @ 20 °C
Melting Point:	Not Available
Boiling Point:	Not Available
Vapor Pressure	Not Available
Vapor Density (air= 1):	>1

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.

SECTION: 11. TOXICOLOGICAL INFORMATION

Inhalation:	Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.
Skin Contact:	Repeated or prolonged contact can cause redness, irritation and scaling of skin (Dermatitis). Adverse skin effects should be prevented by normal care and personal hygiene.
Eye Contact:	May irritate eyes.
Medical Conditions Aggravated by Exposure:	May aggravate dermatitis, psoriasis and other skin conditions.
Chronic Toxicity:	May cause allergic reactions on skin
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

The ecological effects of this product have not been evaluated. Do not allow product to reach ground water, water course or sewage system. The product contains materials that are harmful to the environment.

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

ADR/RID Class:	Environmentally hazardous substance, liquid NOS 3 UN3082 PG III
IATA Shipping (Air):	Environmentally hazardous substance, liquid NOS 3 UN3082 PG III
IMDG Shipping Description:	Environmentally hazardous substance, liquid NOS 3 UN3082 PG III

SECTION: 15. REGULATORY INFORMATION

WHMIS (Canada):	Class B3 – Combustible liquid with flash point between 37.8°C (100°F) and 93.3°C (200°F).
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NEW DIRECTIONS AROMATICS

MATERIAL SAFETY DATA SHEET

HMIS (USA):		Health Hazard – 3 Fire Hazard – 2 Reactivity – 0
EU Labeling:	R38	Irritating to skin
	R43	May cause sensitization by skin contact.
	R51/53	Toxic to aquatic organism, may cause long term adverse effect in the aquatic environment.
	R68/62	Harmful: possible risk of irreversible effect if swallowed.
Safety Phrases:	S24	Avoid skin contact
	S37	Wear suitable gloves.
EU Classes and Risk Phrases for reference:		
	R10	Flammable.
	R11	Highly flammable
	R20	Harmful by inhalation
	R68/22	Harmful: possible risk of irreversible effect if swallowed.
	R36	Irritating to eyes.
	R65	Harmful: may cause lung damage if swallowed.

SECTION: 16. OTHER INFORMATION

Revision Date: October 13, 2011

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SECTION: 17. DISCLAIMER

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NEW DIRECTIONS

A R O M A T I C S

CERTIFICATE OF ANALYSIS

Product: Lavandin Abrialis Essential Oil
Lot No.: 11157-31/E31
Manufacturing Date: July 2011
Best before: July 2013

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Faint green to yellow liquid	Complies
Odor:	Strong wormwood odor	Complies
Solubility:	Soluble in ethyl alcohol, insoluble in water	Complies
Specific Gravity:	0.887 – 0.897 @ 20 °C	0.893
Refractive Index:	1.455 – 1.495 @ 20 °C	1.463
Optical rotation:	- 1° - +8°	-2.6 °

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