



NEW DIRECTIONS AROMATICS

MATERIAL SAFETY DATA SHEET

SECTION: 1.1 PRODUCT IDENTIFICATION

Product Name: Oregano Essential Oil – Organic
Botanical Name: *Origanum compactum Benth.*
Synonyms: Origanum oil
INCI Name: Origanum compactum Benth. (leaf) oil
CAS #: CAS#: 8007-11-2
County of Origin: India

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:	<i>Carvacrol</i>	25 – 30 %	<i>Thymol</i>	18 – 22 %
	<i>y-terpinene</i>	12 – 16 %	<i>p-cymene</i>	11 – 14%

SECTION: 3. HAZARDS IDENTIFICATION

No specific hazard. Conforms to IFRA.

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.

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

Flash Point: 60.5 °C Combustible liquid.

Extinguishing media: Carbon Dioxide, dry chemical or foam. Closed containers may build up pressure at elevated temperature

Special Procedures: Determine the need to evacuate or isolate the area according to your local emergency plan.

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



NEW DIRECTIONS

A R O M A T I C S

MATERIAL SAFETY DATA SHEET

SECTION: 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear gloves and overalls. Use of self-contained breathing apparatus is recommended for any major chemical spill.
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.
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 to yellow liquid
Odor:	Spicy, woody
Solubility:	Insoluble in water, partially soluble in alcohol
Specific Gravity:	0.900 – 0.935
Refractive Index:	1.462 – 1.505
Optical Rotation:	-4 - -2°
Flash Point:	60.5 °C

SECTION: 10. STABILITY AND REACTIVITY

Stability:	Chemically stable. This material presents no significant reactivity hazard.
Conditions to Avoid:	Avoid sparks, flame and excessive heat.



NEW DIRECTIONS

A R O M A T I C S

MATERIAL SAFETY DATA SHEET

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:	Inhalation of high concentrations of vapor may result in irritation.
Skin Contact:	Adverse skin effects should be prevented by normal care and personal hygiene
Eye Contact:	May irritate eyes.
Ingestion:	Low order toxicity causing irritation of the stomach and intestines which results in nausea and vomiting.
Medical Conditions Aggravated by Exposure:	N/A
Chronic Toxicity:	N/A
Carcinogenicity Data:	N/A
Reproductive Toxicity:	N/A
Acute Toxicity Values:	N/A

SECTION: 12. ECOLOGICAL INFORMATION

Eco toxicological data is not available. 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

RID/ADR:	Class 3:32
IATA Shipping	Not regulated.
IMPG Shipping Description:	Not regulated.

SECTION: 15. REGULATORY INFORMATION

WHMIS (Canada):	N/A
Directives 91 /115 and 91 / 325 EEC	
EU Labeling:	Xn R21/22 Harmful in contact with skin and if swallowed.
Xi R38:	irritating to skin
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.

SECTION: 16. OTHER INFORMATION

Revision Date: December 14, 2011



MATERIAL SAFETY DATA SHEET

SECTION: 17. DISCLAIMER

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CERTIFICATE OF ANALYSIS

Product: Oregano Essential Oil – Organic

Lot No.: 50039-A05

Best Before: February 2013

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Light yellow to yellow liquid	Complies
Odor:	Spicy, woody	Complies
Solubility:	Insoluble in water, partially soluble in alcohol	Complies
Specific Gravity:	0.900 – 0.935	Complies
Refractive Index:	1.462 – 1.505	Complies
Optical Rotation:	-4 - -2°	Complies

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