



NEW DIRECTIONS

A R O M A T I C S

MATERIAL SAFETY DATA SHEET

SECTION: 1.1 PRODUCT IDENTIFICATION

Product Name: Basil Sweet Essential Oil (India)
Botanical Name: *Ocimum basilicum*
INCI Name: Ocimum basilicum (basil) oil
CAS #: 8015 - 73 - 4
County of Origin: India

SECTION: 1.2 COMPANY IDENTIFICATION

Company: New Direction 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

SECTION: 3. HAZARDS IDENTIFICATION

Methyl cinnamate and methyl chavicol (approx. 70%) – possible carcinogen and skin irritant.

Component Entity	CAS Number	EINECS Number	Proportions [%w/w]
Basil Essential Oil	8015-73-4	Not allocated	100% pure

Medical Information: N/A

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

Flash Point 167 °F / 75 deg. 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.

Unusual Firefighting Hazards: N/A.

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:	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:	Pale yellow to amber color liquid.
Odor:	Sweet vaguely anise-like minty smoky odor.
Solubility:	Soluble in alcohol and oils. Insoluble in water.
Boiling Point:	213 – 215 °C
Specific Gravity:	0.891 – 0.954 @ 20°C
Optical Rotation:	-14.0 – -5.0 @ 20°C
Refractive Index:	1.4795 – 1.568 @ 20°C



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Extraction Method: Steam distillation of the leaves.
Acid Value: 1.0 – 2.5
Ester Value: ~ 32

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: Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.
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

Skin Contact: May irritate eyes.

Eye Contact: Low order toxicity causing irritation of the stomach and intestines which results in nausea and vomiting.

Ingestion: May aggravate dermatitis, psoriasis and other skin conditions.

Medical Conditions Aggravated by Exposure: May cause allergic reactions on skin

Chronic Toxicity: None of the components of this material are listed as a carcinogen.

Carcinogenicity Data: No adverse effects on reproduction are known.

Reproductive Toxicity: No data is currently available.

Acute Toxicity Values:

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

Chemical Identification: Basil essential oil

UN No.: 1169 Liquid aromatic extract

Packaging Group: Group III W.H.I.M.S. Class: B Division: 2

US DOT Shipping Description: Check appropriate authority

IATA Shipping (Air): Check appropriate authority

IMDG Shipping Description: Check appropriate authority



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SECTION: 15. REGULATORY INFORMATION

WHMIS (Canada):	Class: B	Division: 2	
HMIS (USA):	Health Hazard –0	Fire Hazard 3	Reactivity – 0
SARA 302/ SARA 313:	None		
California Proposition 65:	This product does not contain chemical listed per the Safe Drinking Water and Enforcement Act of 1986.		
EU Labeling:	R10	Flammable.	
	Xn R22	Harmful if swallowed.	
	Xi R38	Irritating to skin	
	S36/37/38	Wear suitable protective clothing, gloves and eye/face protection.	

SECTION: 16. OTHER INFORMATION

Revision Date: June 7, 2011

SECTION: 17. DISCLAIMER

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CERTIFICATE OF ANALYSIS

Product: Basil Sweet Essential Oil (India)
Lot No.: 11006-A05, D05
Manufacturing Date: August 2010
Best Before: August 2012

<u>Property</u>	<u>Specification</u>	<u>Result</u>
Appearance:	Pale yellow to amber color liquid.	Complies
Odor:	Sweet vaguely anise-like minty smoky odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Density:	0.891 – 0.954 @ 20°C	Complies
Refractive Index:	1.4795 – 1.568 @ 20°C	Complies

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