



# NEW DIRECTIONS

## A R O M A T I C S

### MATERIAL SAFETY DATA SHEET

#### SECTION: 1.1 PRODUCT IDENTIFICATION

**Product Name:** Canola Carrier Oil  
**Botanical Name:** *Brassica campestris*  
**Synonyms:** *Brassica campestris* L., *Brassica rapa silvestris* (Lam.) Janch.  
**INCI Name:** Canola oil  
**CAS #:** 8002-13-9  
**Country of Origin:** Canada

#### 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

<b>Constituents:</b>	Oleic acid, linoleic acid, stearic acid, triglycerides, tocopherols		
Oleic Acid	56.0 – 62.0%	Linolenic	8.2 – 13.0%
Linoleic Acid	19.0 – 24.0%	Palmitic	3.0 – 4.5%

#### SECTION: 3. HAZARDS IDENTIFICATION

This material is a vegetable oil. The manufacturer does not anticipate any harmful effects from this product providing good manufacturing practices are followed.

#### SECTION: 4. FIRST AID MEASURES

**Eye Contact:** Irrigate with water immediately, continue flushing eyes with water for 15 minutes. Seek medical attention if irritation persists.

**Inhalation:** Remove to fresh air.

**Ingestion:** Do not induce vomiting. Never-give anything by mouth if victim is unconscious, is rapidly-losing or is Convulsing.

**Skin Contact:** Skin contact may not produce irritation, or itching of the skin.

#### SECTION: 5. FIRE FIGHTING MEASURES

**Flash Point:** >100 °C

**Extinguishing media:** Carbon Dioxide, dry chemical or foam.

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

**Unusual Firefighting:** None identified.

**Protective Equipment:** None

**Combustion Product:** Carbon Monoxide, Carbon Dioxide

#### SECTION: 6. ACCIDENTAL RELEASE MEASURES

**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.



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**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:** None. Contaminated clothing and shoes should be cleaned before re-use.

**Storage:** 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.

#### SECTION: 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Eyes Protection:** The use of safety glasses is recommended.

**Respiratory Protection:** In well- ventilated areas, respiratory protection is not normally required.

**Protective Equipment:** An eyewash fountain and / or safety shower should be available in the work area. Acceptable industrial hygiene practices should be maintained.

#### SECTION: 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Pale yellow to golden yellow liquid

**Odor:** Characteristic odor.

**Solubility:** Soluble in alcohol and oils. Insoluble in water.

**Moisture:** 0.1% Max.

**Free Fatty Acids:** 0.05 % Max

**% Unsaponifiabiles:** 0.5 – 1.2

**Saponification Value:** ~ 210

**Iodine Value:** 105 - 126

**Peroxide Value:** 0.5 Max

#### 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 carbon dioxide and monoxide smoke.

#### SECTION: 11. TOXICOLOGICAL INFORMATION

**Skin Contact:** When hot, 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



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	intestines which results in nausea and vomiting.
<b>Medical Conditions Aggravated by Exposure:</b>	None
<b>Chronic Toxicity:</b>	May cause allergic reactions on skin
<b>Carcinogenicity Data:</b>	None of the components of this material are listed as a carcinogen.
<b>Reproductive Toxicity:</b>	No adverse effects on reproduction are known.
<b>Acute Toxicity Values:</b>	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

<b>US DOT Shipping Description:</b>	Check appropriate authority
<b>IATA Shipping (Air):</b>	Check appropriate authority
<b>IMDG Shipping Description:</b>	Check appropriate authority

#### SECTION: 15. REGULATORY INFORMATION

<b>WHMIS (Canada):</b>	N/A
<b>HMIS (USA):</b>	Health Hazard -0 Fire Hazard -1 Reactivity -0

#### SECTION: 16. OTHER INFORMATION

**Revision Date: November 28, 2011**

#### SECTION: 17. DISCLAIMER

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## A R O M A T I C S

### CERTIFICATE OF ANALYSIS

**Product:** Canola Carrier Oil  
**Product Lot No.:** 15005-A36 to H36  
**Mfg. Date:** August 2011  
**Expiry Date:** August 2013

<u>Properties</u>	<u>Specifications:</u>	<u>Results:</u>
Appearance	Pale yellow to golden yellow liquid	Complies
Odor:	Characteristic odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Moisture:	0.1% Max.	< 0.1%
Free Fatty Acids:	0.05 % Max	0.033%
% Unsaponifiables:	0.5 – 1.2	12+
Saponification Value:	~ 210	None Added
Iodine Value:	105 - 126	111.92
Peroxide Value:	0.5 Max	0.0 meq/kg

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# NEW DIRECTIONS AROMATICS

## CERTIFICATE OF ANALYSIS

**Product:** Canola Carrier Oil  
**Product Lot No.:** 15005-A37 to F37  
**Mfg. Date:** November 2011  
**Expiry Date:** November 2012

<u>Properties</u>	<u>Specifications:</u>	<u>Results:</u>
Appearance	Pale yellow to golden yellow liquid	Complies
Odor:	Characteristic odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Moisture:	0.1% Max.	Complies
Free Fatty Acids:	0.05 % Max	Complies
% Unsaponifiables:	0.5 – 1.2	Complies
Saponification Value:	~ 210	Complies
Iodine Value:	105 - 126	Complies
Peroxide Value:	0.5 Max	Complies

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