



NEW DIRECTIONS AROMATICS

MATERIAL SAFETY DATA SHEET

SECTION: 1.1 PRODUCT IDENTIFICATION

Product Name: Hempseed Carrier Oil - Unrefined
Botanical Name: *Cannabis sativa*
Synonyms: *Cannabis chinense, Cannabis indica*
INCI Name: Cannabis sativa seed oil
CAS #: Not Registered
Country of Origin: Canada
Product Use Direct food ingredient, Salad oil, Dietary supplement.

SECTION: 1.2 COMPANY IDENTIFICATION

Company: New Directions Aromatics Inc.
Address: 6781-Columbus Road, Mississauga. L5T 2G9 Canada
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24 HOUR EMERGENCY TELEPHONE NUMBER: (613)-996-6666 CANUTEC

SECTION: 2. COMPOSITION / INFORMATION INGREDIENTS

Constituents: Vegetable Oil, triglycerides
Composition: Linoleic Acid: 50 – 65 % Gamma-Linolenic Acid: 10 – 20 %
Oleic Acid: 12 – 20 %

SECTION: 3. HAZARDS IDENTIFICATION

The US Food & Drug Administration, Dept. of Health & Human Services has not affirmed Hemp seed Oil as Generally Recognized As Safe (GRAS) as a direct food ingredient.

SECTION: 4. FIRST AID MEASURES

Eye Contact: Eyes should be flushed out with plenty of water. Seek medical attention if irritation persists.
Inhalation: Remove to fresh air.
Ingestion: If large amounts are ingested, get medical attention. Do not induce vomiting unless directed by a physician.
Skin Contact: Under normal conditions, no adverse effects are expected. Hemp oil can be removed from skin by washing with soap and water. Hot oil could result in burns to the contacted part. In event, follow normal first aid procedures for treating burns.

SECTION: 5. FIRE FIGHTING MEASURES

Flash Point: 141°C.
Smoke Point 165°C
Flammable limit (LEL/UEL) Unknown
Extinguishing media: Class "B" Fire Extinguishers: Foam, Carbon Dioxide, dry chemical
Special Procedures: None
Fire Point: Unknown
Unusual Fire Fighting Procedure None
Auto ignition Temperature Unknown
Auto Decomposition Temperature Unknown



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SECTION: 6. ACCIDENTAL RELEASE MEASURES

Respiratory Protection:	Use self-contained respiratory equipment in closed systems.
Protective Gloves	Necessary if allergic
	Eye Protection: Safety Goggles
Other Protective Clothing or Equipment:	None Required
Work/Hygienic Practices:	Wash with soap and water

SECTION: 7. HANDLING AND STORAGE

Steps to be taken In case Material is Released or Spilled:	Spills from fats and oils produce slippery surfaces, Employ normal sanitation procedure to reduce risk. Absorb material on clay, sawdust, or other material.
Precautions to be taken in Handling and Storage:	Tank should be vented. Empty tanks must be vented and purged with air before entry. Observe standard tank entry precautions. Store in cool, dry, dark place (a refrigerator or freezer is ideal)
Other precautions:	Exposure of material to air, heat, or water may cause deterioration in quality

SECTION: 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Route of entry	Inhalation, Skin, Ingestion, Eyes
Protection:	May act as a slight irritant to the skin and eyes.
Protective Gloves	Necessary if allergic
Eye Protection	Safety Goggles

SECTION: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid Oil, Emerald Green/Dark Green
Odor:	Characteristic nutty, Grassy odor
Solubility:	Negligible, insoluble in water.
Specific gravity:	0.9295 @ 20°C
Boiling Point	250 °C
Melting Point	-8 °C
Vapour Pressure	Unknown
Vapour density	Unknown
pH value	Unknown
Evaporation Rate	Unknown

SECTION: 10. STABILITY AND REACTIVITY

Stability:	Chemically stable.
Conditions to Avoid:	Avoid introducing air, light, heat, moisture.
Materials to Avoid:	Oxygen, heavy metals, oxidizing compounds.
Hazardous Polymerization:	May occur.
Hazardous Decomposition or Byproducts:	Carbon dioxide and Carbon monoxide

SECTION: 11. TOXICOLOGICAL INFORMATION

Health Hazards (Acute and Chronic)	May act as a slight irritant to skin or eyes
Carcinogenic	Not known
IARC Monographs	Not known
OSHA Regulated	Not Known



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Sign and Symptoms of Exposure None known
Medical condition Generally None known
Aggravated by Exposure

SECTION: 12. ECOLOGICAL INFORMATION

Avoid any pollution of ground, surface or underground water.

SECTION: 13. DISPOSAL CONSIDERATION

Waste Disposal Method: Incineration or landfill.

SECTION: 14. TRANSPORT INFORMATION

US DOT Shipping Description:	None: Check appropriate authority		
DOT Label:	None: Check appropriate authority		
Class/Division:	Not Restricted		
U.S. Freight Classifications	None		
Proper Shipping Name	N/A	Group #	34
Pollutant Category	D	CHRIS Code	OFS
NFPA RATING Health: 0	Fire: 1	Reactivity: 0	Special Hazard: NA

SECTION: 15. REGULATORY INFORMATION

WHMIS (Canada): Not Available

SECTION: 16. OTHER INFORMATION

Revision Date: December 5, 2011

SECTION: 17. DISCLAIMER

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CERTIFICATE OF ANALYSIS

Product: Hempseed Seed Carrier Oil - Unrefined

Product lot# 15012-A14-1

Best Before: July 2012

<u>Properties</u>	<u>Specifications:</u>	<u>Results:</u>
Appearance:	Liquid Oil, Emerald Green/Dark Green	Complies
Odor:	Characteristic odor	Complies
Solubility:	Insoluble in water.	Complies
Peroxide Value:	Max 5.0 meq/kg	Complies
Free Fatty acids	0.42	Complies

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