



NEW DIRECTIONS AROMATICS

MATERIAL SAFETY DATA SHEET

SECTION: 1.1 PRODUCT IDENTIFICATION

Product Name: Wheat Germ Carrier Oil
Botanical Name: *Triticum aestivum*
Synonyms: *Triticum vulgare*, *Triticum sativum*, *Triticum alstivum*
INCI Name: Triticum vulgare (wheat) germ oil
CAS #: 68917-73-7
Country of Origin: USA

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

Constituents: Octacosanol, myristic, palmitic, palmitoleic, margaric, margaroleic, stearic, oleic, linoleic, linolenic, arachidic, eicosanic, behenic and erucic acids; tocopherols

Linoleic Acid:	30 – 57	Linolenic Acid:	2 – 10
Oleic Acid:	12 – 39	Palmitic Acid:	11 – 16

SECTION: 3. HAZARDS IDENTIFICATION

This product is not a hazardous material under Department of Labor definition and contains no hazardous ingredients

SECTION: 4. FIRST AID MEASURES

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

Inhalation: Remove to fresh air.

Ingestion: Being a Non-Hazardous, Non-irritating Vegetable oil, No special emergency or First Aid procedures is required for direct contact or ingestion.

Skin Contact: Skin contact does not produce irritation, but may produce unusual allergic reaction, 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: 640°F

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

Special Procedures: Nothing so special

Unusual Firefighting Hazards: 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



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Environmental Precautions: to evacuate or isolate the area according to your local emergency plan.
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: No special precautions. Good personal hygiene practices should be used.

Storage: Store in a cool, dry, well ventilated place protected from light.

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 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.

SECTION: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Golden yellow to amber brown liquid

Odor: Characteristic odor

Solubility: Soluble in alcohol. Insoluble in water.

Relative Density: 0.910 – 0.935 @ 20°C

Refractive Index: 1.470 – 1.480 @ 30°C

Acid value: <0.5 %

% Unsaponifiables: <4.0 %

Saponification Value: 180 – 200

Iodine Value: 115 – 135

Peroxide Value: <4.0 %

Extraction Method: Cold-pressed of the wheat germ.

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 None known.

Decomposition Products: When heated to decomposition produces carbon dioxide and monoxide smoke.

SECTION: 11. TOXICOLOGICAL INFORMATION

Skin Contact: High Temperature contact must be avoided

Eye Contact: May not irritate eyes.



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Ingestion:	None
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

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

US DOT Shipping Description:	Check appropriate authority
IATA Shipping (Air):	Check appropriate authority
IMDG Shipping Description:	Check appropriate authority

SECTION: 15. REGULATORY INFORMATION

WHMIS (Canada): Not Available

SECTION: 16. OTHER INFORMATION

Revision Date: June 14, 2011

SECTION: 17. DISCLAIMER

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CERTIFICATE OF ANALYSIS

Product: Wheatgerm Carrier Oil
Lot# 15026-A12
Mfg. Date: Jan 20, 2010
Exp. Date: Jan 20, 2012

<u>Properties</u>	<u>Specifications:</u>	<u>Results:</u>
Appearance:	Golden yellow to reddish liquid	Complies
Odor:	Characteristic odor	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Relative Density:	0.910 – 0.935 @ 20°C	Complies
Free Fatty Acid:	<10.0 %	8.91%
% Unsaponifiables:	<4.0 %	Complies
Iodine Value:	115 – 135	Complies

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CERTIFICATE OF ANALYSIS

Product: Wheatgerm Carrier Oil

Lot# 15026-A13

Mfg. Date: February 2010

Exp. Date: February 2012

<u>Properties</u>	<u>Specifications:</u>	<u>Results:</u>
Appearance:	Golden yellow to reddish liquid	Complies
Odor:	Characteristic odor	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Relative Density:	0.910 – 0.935 @ 20°C	Complies
Free Fatty Acid:	<10.0 %	8.91%
% Unsaponifiables:	<4.0 %	Complies
Iodine Value:	115 – 135	Complies

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