



NEW DIRECTIONS AROMATICS

MATERIAL SAFETY DATA SHEET

SECTION: 1.1 PRODUCT IDENTIFICATION

Product Name: Lime Fragrant Oil
Product Use: Fragrance
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

Chemical Name	CAS Number	EINECS Number	Proportions [%w/w]
Fragrance- Proprietary mixture	Not allotted	Not allotted	100%

This material is a proprietary mixture of aroma chemicals, essential oils and natural extracts which are considered by the manufacturer to be trade secrets and are withheld with the provision of section 1910.1200 of Title 29 of the Code of Federal Regulation. The manufacturer does not anticipate any harmful effects from this product providing good manufacturing practices are followed.

SECTION: 3. HAZARDS IDENTIFICATION

The composition of this product is classified as a trade secret in accordance with CFR 29.1910.1200. This is a product for which no health hazard data exists. The hazards communication standard requires that such mixtures be assumed to present the same health hazards as do components that constitute at least 1% of the mixture (0.1% for carcinogens) although OSHA has noted that the hazards of individual components may be altered by including them in the mixture. Based on information currently available from the manufacturer we estimate that this mixture may have properties which can be potentially hazardous to health:

HARMFUL IF SWALLOWED, IRRITATING TO EYES, SKIN, NOSE, THROAT and LUNGS. THIS PRODUCT OR ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE U.S. TSCA INVENTORY AND CANADIAN D.S.L.

WARNING: Odor counteractants /neutralizers must not be used to conceal any hazardous or dangerous vapors or conditions. Where these dangers exist appropriate warning (material safety data sheets, warning labels) must be given to those who come in contact with these products.

EU Classification: (1999/45/EC): Xi- Irritant

EU Risk / Safety Phrase: R10, R36/37/38, R43, S24, S26, S28

Canadian WHMIS Classification: CLASS: B3

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.



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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

Flammable Limits: N/A
Extinguishing media: Carbon Dioxide, dry chemical or foam. DO NOT USE direct water jet on burning material.
Special Procedures: Determine the need to evacuate or isolate the area according to your local emergency plan.
Unusual Firefighting Hazards: None identified.
Protective Equipment: Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving oils or chemicals.
Combustion Product: Carbon Monoxide, Carbon Dioxide

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 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". Sealed Away from UV light, heat and ignition sources

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. Unconfined, poorly ventilated areas the use of "NIOSH" approved respiratory protection normally required (use only if trained in proper use and with acceptable oxygen level).



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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: Clear, liquid, Very pale to paleamber yellow color
Odor: Characteristic lime odor.
Solubility: Soluble in ethyl alcohol, insoluble in water
Specific Gravity: 0.875 ± 0.025 @ 20°C
Refractive Index: 1.470 ± 0.025 @ 20°C
pH: Not Available
Flash Point: Greater than 93°C [Closed Cup]
Melting Point: Not Available
Boiling Point: Not Available
Vapor Pressure: Not Available
Volatile Organic Carbon Compound: Air freshener whose VOC constituents consist of 100% fragrance are not subjected to the EPA or CARB Emission for consumer product.

SECTION: 10. STABILITY AND REACTIVITY

Stability: Chemically stable, non hazardous material.
Hazards due to reactivity: 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.

SECTION: 11. TOXICOLOGICAL INFORMATION

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



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SECTION: 12. ECOLOGICAL INFORMATION

The ecological effects of this product have not been evaluated.

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: Flammable liquid NOS (Contains hydrocarbon liquid) 3 UN1993 PG III
IATA Shipping (Air): Flammable liquid NOS (Contains hydrocarbon liquid) 3 UN1993 PG III
IMDG Shipping Description: Flammable liquid NOS (Contains hydrocarbon liquid) 3 UN1993 PG III

SECTION: 15. REGULATORY INFORMATION

WHMIS (Canada): Class B3 – Combustible liquid with flash point between 37.8°C (100°F) and 93.3°C (200°F).
HMIS (USA): Health Hazard – 0 Fire Hazard – 3 Reactivity – 1

SECTION: 16. OTHER INFORMATION

Revision Date: January 4, 2012

SECTION: 17. DISCLAIMER

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PRODUCTS INGREDIENT DISCLAIMER Customers should always refer to the ingredients label as affixed to each product or to specification sheets which are current at the time of supply of the product.



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CERTIFICATE OF ANALYSIS

Product: Lime Fragrant Oil
Lot No.: 23121-A08/B08
Best before: November 2012

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Clear, liquid, Very pale to pale amber yellow color	Complies
Odor:	Characteristic Lime odor.	Complies
Solubility:	Soluble in ethyl alcohol, insoluble in water	Complies
Specific Gravity:	0.875 ± 0.025 @ 20°C	0.875
Refractive Index:	1.470 ± 0.025 @ 20°C	1.470

DISCLAIMER:

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