



NEW DIRECTIONS AROMATICS

MATERIAL SAFETY DATA SHEET

SECTION: 1.1 PRODUCT IDENTIFICATION

Product Name: Blueberry Lip Balm Flavor Oil
Chemical Family: Chemical Mixture
Synonyms: Complex Flavor Mixture
Product Use: Flavoring
WHMIS: N/A **CAS #:** Not applicable
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 No.	TLV ppm	[%w/w]	LC50 ppm	LD50 g/kg
Fragrance Esters	N/A	N/A	N/A	N/A	N/A
Fragrance Aldehydes	N/A	N/A	N/A	N/A	N/A
Fragrance Alcohols	N/A	N/A	N/A	N/A	N/A

Most blends have a maximum suggested shelf life of 12 months if stored strictly according to specifications. Citrus products have a 6 month shelf life because of the increase tendency to oxidize with age. The manufacturer does not anticipate any harmful effects from this product providing good manufacturing practices are followed.

SECTION: 3. HAZARDS IDENTIFICATION

Routes of Entry: Skin contact, inhalation, eye contact, ingestion

Acute Health Hazards

Skin: May cause mild eczema or allergic erythema if safety precautions are not followed.

Eye: Mild to severe corneal irritation and conjunctivitis will occur if precautions are not followed.

Inhalation: Exposure could cause slight lung and/or mucous membrane irritation. No adverse effects are expected if proper ventilation is used.

Ingestion: Acute or chronic ingestion should not occur. Acute ingestion could result in abdominal pain, nausea, vomiting and diarrhea.

Chronic Health Hazards:

Skin: May result in moderate edema, erythematous and possible allergic dermatitis.

Eye: Increase the risk of corneal and conjunctive injury.

Inhalation: Increase the risk of possible lung/mucous membrane irritation.

Ingestion: Severe adverse effects such as gastritis, kidney and liver damage, lung irritation and potential pulmonary edema and hemorrhaging may occur.

Signs and Symptoms of Exposure: Irritation of the respiratory system, eyes and skin. Abdominal pain, nausea, vomiting and diarrhea when large quantities are ingested.

Medical Conditions Aggravated by Exposure: None known.



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SECTION: 4. FIRST AID MEASURES

Eye Contact:	Contact with eyes can produce burning sensation. Flush with water immediately for 15 minutes. Seek medical attention if irritation persists.
Inhalation:	Remove to fresh air.
Ingestion:	Rinse mouth with water and consult a physician immediately.
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:	This item is not combustible under WHMIS regulations but store sealed and away from all heat and ignition sources.
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.

SECTION: 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes Protection:	The use of safety glasses is recommended in industrial applications. 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



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Protective Gloves: 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 Clothing: Using chemical resistant gloves is recommended for industrial use.
Protective Equipment: Using chemical resistant clothing is recommended.
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: Clear liquid
Odor: Characteristic aroma
Specific Gravity: 1.000 – 2.000 @ 25°C
Refractive Index: 1.369 – 1.569 @ 20°C
Solubility: Insoluble in water
pH: Not Available
Flash Point: >93°C [Closed Cup]
Melting Point: Not Available
Boiling Point: Not Available
Vapor Pressure: Not Available
Vapor Density (air= 1): >1

SECTION: 10. STABILITY AND REACTIVITY

Stability: Chemically stable, non hazardous material. Will not react violently with water. This material presents no significant reactivity hazard.
Conditions to Avoid: Avoid sparks, flame and excessive heat.
Materials to Avoid: Strong oxidizing agents and acids.
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: May cause mild eczema or allergic erythema if safety precautions are not followed. Adverse skin effects should be prevented by normal care and personal hygiene.
Eye Contact: May irritate eyes.
Ingestion: Acute or chronic ingestion should not occur. Accute ingestion could result in abdominal pain, nausea, vomiting and diarrhea.
Medical Conditions Aggravated by Exposure: May aggravate dermatitis, psoriasis and other skin conditions.
Chronic Toxicity: No known sensitizers are used.
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: LD50 (rat oral) greater than 2.5 g/kg



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LD50(rat inhalation) greater than 3000 ppm.

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: Not available.

IATA Shipping (Air): Not available.

IMDG Shipping Description: Not available.

SECTION: 15. REGULATORY INFORMATION

WHMIS (Canada): Class B3 – Combustible liquid with flash point greater than 93.3°C (200°F).

HMIS (USA): Health Hazard – 0 Fire Hazard – 1 Reactivity – 0

EPA Toxic Substance Control Act (TSCA): All components are listed on TSCA Inventory or exempted from TSCA.

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: Xi Irritant

SECTION: 16. OTHER INFORMATION

Revision Date: January 20, 2012

SECTION: 17. DISCLAIMER

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CERTIFICATE OF ANALYSIS

Product: Blueberry Lip Balm Flavor
Lot No.: 32103-A03
Manufacturing Date: August 20, 2010
Best before: February 23, 2011

<u>Property</u>	<u>Specification</u>	<u>Result</u>
Appearance:	Clear liquid	Complies
Odor:	Characteristic aroma	Complies
Specific Gravity:	1.000 – 2.000 @ 25°C	Complies
Refractive Index:	1.369 – 1.569 @ 20°C	1.071
Solubility:	Insoluble in water	1.551

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CERTIFICATE OF ANALYSIS

Product: Blueberry Lip Balm Flavor
Lot No.: 32103-A04-2
Retest Date: July 27, 2011
Best before: April 2012

<u>Property</u>	<u>Specification</u>	<u>Result</u>
Appearance:	Clear liquid	Complies
Odor:	Characteristic aroma	Complies
Specific Gravity:	1.000 – 2.000 @ 25°C	Complies
Refractive Index:	1.369 – 1.569 @ 20°C	Complies
Solubility:	Insoluble in water	Complies

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NEW DIRECTIONS AROMATICS

CERTIFICATE OF ANALYSIS

Product: Blueberry Lip Balm Flavor
Lot No.: 32103-A05
Retest Date: August 2011
Best before: February 2012

<u>Property</u>	<u>Specification</u>	<u>Result</u>
Appearance:	Clear liquid	Complies
Odor:	Characteristic aroma	Complies
Specific Gravity:	1.000 – 2.000 @ 25°C	1.077
Refractive Index:	1.369 – 1.569 @ 20°C	1.520
Solubility:	Insoluble in water	Complies

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