



NEW DIRECTIONS AROMATICS

MATERIAL SAFETY DATA SHEET

SECTION: 1.1 PRODUCT IDENTIFICATION

Product Name: Ucuuba Butter
Botanical Name: *Virola sebifera*
Synonyms: *Virola surinamensis*
INCI Name: Ucuuba Virgin Butter, *Virola Sebifera*
CAS #: 356065-37-7
Country of Origin: Brazil

SECTION: 1.2 COMPANY IDENTIFICATION

Company: New Directions Aromatics Inc.
Address: 6781-Columbus Road, Mississauga, ON. 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:	Fatty Acids	Carbon atoms	Composition %
	Lauric	12:00	18.17
	Myristic	14:00	73.84
	Palmitic	16:00	8.00

The fruit is collected, separated from seeds and sun dried. Butter is extracted from the seeds of the fruit. Light colored butter is cold pressed seeds without the shells. Darker, harder butter is obtained if the seed shell is included.

SECTION: 3. HAZARDS IDENTIFICATION

Non dangerous, non-hazardous product, usually accepted as a safe commodity (GRAS) in accordance to the food, drugs and cosmetic legislation.

SECTION: 4. FIRST AID MEASURES

Eye Contact: Flush the eyes with large amount of water and seek medical attention.
Inhalation: Remove to fresh air.
Ingestion: No Direct Hazard. Rinse mouth with water and consult a physician.
Skin Contact: Sensitive individuals may be irritated after repeated prolonged exposure.

SECTION: 5. FIRE FIGHTING MEASURES

Flash Point: 228 deg. C. Combustible at elevated temperature
Extinguishing media: Carbon Dioxide, dry chemical or foam. Closed containers may build up pressure at elevated temperature
Special Procedures: Determine the need to evacuate or isolate the area according to your local emergency plan.
Firefighting Hazards: None identified.
Protective Equipment: Self-contained breathing apparatus and protective clothing should be worn
Combustion Product: Carbon Monoxide, Carbon Dioxide



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SECTION: 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Use of self-contained breathing apparatus is recommended if vapor present. Wear gloves and eye protection
Safety Precautions:	Danger of slipping possible. Eliminate all ignition sources.
Environmental Precautions:	Keep away from drains, surface and ground water. Report spills to appropriate Authorities if required.
Methods For Cleaning Up:	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:	Wear safety glasses and gloves
Storage:	Containers should be kept closed in order to minimize contamination. Store in a cool container below 25 C in dry, well ventilated place protected from light. Keep away from extreme heat and away from all sources of ignition. Ground containers to comply. Reseal in air tight container and

SECTION: 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes Protection:	The use of safety glasses is recommended.
Respiratory Protection:	No special respirator needed but recommended if vapors present.
Protective Gloves:	Using chemical resistant gloves is recommended.
Protective Clothing:	Using chemical resistant clothing is recommended.
Protective Equipment:	Slip proof shoes in area where leaks or spills.

SECTION: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: (@25 °C)	Solid light brown with dark brown flecks hard butter
Odor:	Strong odor
Density @25 °C (g/cm ³)	0.939
Refractive Index @40 °C	51 – 53
Melting Point:	53 °C
Peroxide Value: (meq/kg)	Maximum 20
Saponification Value: (mgKOH/g)	220 – 227
Acid Value (mg KOH/g)	Maximum 40
Iodine Value (gI ₂ /100g)	12 – 15
Free fatty acids	8.1%
Typical Usage:	Cream, Soaps, (to replace animal fats)
Usage limit:	Cream:15 – 20% ; Soaps 20 – 30%

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:	Avoid open flame
Hazardous Polymerization:	Will not occur.
Hazardous Combustion or Decomposition Products:	None known. When heated to decomposition produces acid fumes and carbon monoxide smoke.



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SECTION: 11. TOXICOLOGICAL INFORMATION

Inhalation:	May irritate as a vapor.
Skin Contact:	May irritate sensitive individuals.
Eye Contact:	May irritate eyes.
Ingestion:	None
Medical Conditions Aggravated by Exposure:	None
Chronic Toxicity:	N/A
Carcinogenicity Data:	N/A
Reproductive Toxicity:	N/A
Acute Toxicity Values:	N/A

SECTION: 12. ECOLOGICAL INFORMATION

Environmental toxicity not known. 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):	N/A
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SECTION: 16. OTHER INFORMATION

Revision Date: April 13, 2012

SECTION: 17. DISCLAIMER

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CERTIFICATE OF ANALYSIS

Product: Ucuuba Butter
Lot No.: 16040-A08/F08
Best Before: November 2013

<u>Property</u>	<u>Specification</u>	<u>Result</u>
Appearance: (@25 °C)	Solid light brown with dark brown flecks hard butter	Complies
Odor:	Strong odor	Complies
Density @25 °C (g/cm ³)	0.939	Complies
Refractive Index @40 °C	51 – 53	Complies
Melting Point:	53 °C	Complies
Peroxide Value: (meq/kg)	Maximum 20	Complies
Saponification Value: (mgKOH/g)	220 – 227	Complies
Acid Value (mg KOH/g)	Maximum 40	Complies

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