



NEW DIRECTIONS

A R O M A T I C S

MATERIAL SAFETY DATA SHEET

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 Nitrogen blanket after opening when possible.

SECTION: 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes Protection:	The use of safety glasses is recommended.
Respiratory Protection:	No special respirator needed.
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:	Whitish to cream colored buttery solid.
Odor:	Characteristic fatty odor.
Solubility:	Soluble in alcohol and oils. Insoluble in water.
Free Fatty Acids:	< 2.0 %
Peroxide Value:	< 5.0
Non-Saponifiables:	< 3.0
Saponification Value:	160 – 180
Iodine Value:	58 – 72 g/100g
Melting Point:	30 – 42 °C
Extraction Method:	Expeller pressed from the seeds.

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.

SECTION: 11. TOXICOLOGICAL INFORMATION

Inhalation:	None
Skin Contact:	None
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



NEW DIRECTIONS AROMATICS

MATERIAL SAFETY DATA SHEET

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):		N/A		
HMIS (USA):	Health: 1	Fire: 1	Reactivity: 0	Personal Protection: E
EU Labeling:	R	N/A		
	S25	Avoid Contact with eyes		
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.		
	S39	Eye wear protection		

SECTION: 16. OTHER INFORMATION

Revision Date: September 12, 2011

SECTION: 17. DISCLAIMER

The information contained in this Certificate of Analysis and Material Safety Data Sheet is obtained from current and reliable sources. The information contained herein is true and to the best of NEW DIRECTIONS AROMATICS knowledge. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any Laws or Regulation. Final determination of the suitability of the material is the sole responsibility of the user. Customers should purchase products from NEW DIRECTIONS AROMATICS Inc. with the clear understanding that all products must be used at the customers own discretion and only after referencing Material Safety Data Sheets (MSDS) and all other relevant technical information specific to the product. NEW DIRECTIONS AROMATICS Inc. shall not be held responsible for any damages to property or for any adverse physical effects (including injury or bodily harm) caused by insufficient knowledge or the improper use of a product. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of The products, including intellectual property rights of third parties. As with any manufacturing process, NEW DIRECTIONS AROMATICS strongly recommends small lab scale testing for evaluation purposes prior to full commercial manufacturing. The information on the NEW DIRECTIONS AROMATICS Inc. website is obtained from current and reliable sources but makes no representation as to its comprehensiveness or accuracy. Nothing contained herein should be considered as a recommendation by NEW DIRECTIONS AROMATICS Inc. as to the fitness for any use. As the ordinary or otherwise use(s) of this product is outside the control of NEW DIRECTIONS AROMATICS Inc., no representation or warranty, expressed or implied is made as to the effect(s) of such use(s) (including damage or injury), or the results obtained. The liability of NEW DIRECTIONS AROMATICS Inc. is limited to the value of the goods and does not include any consequential loss. NEW DIRECTIONS AROMATICS Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon.

IRS



CERTIFICATE OF ANALYSIS

Product: Shea Butter – Refined (Ghana)
Lot No.: 16009-A21
Manufacturing Date: March 2011
Best Before: March 2013

<u>Property</u>	<u>Specification</u>	<u>Result</u>
Appearance:	Whitish to cream colored buttery solid.	Complies
Odor:	Characteristic fatty odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Refractive Index	1.460 – 1.475	Complies
Free Fatty Acids:	< 2.0 %	Complies
Iodine Value	58 – 72 gI/100g	Complies
Peroxide Value:	< 5.0	Complies
Non-Saponifiables:	< 3.0	Complies
Melting Range:	30 - 42°C	Complies

DISCLAIMER:

The information contained in this Certificate of Analysis is obtained from current and reliable sources. New Directions Aromatics Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. New Directions Aromatics Inc. expressly disclaims responsibility as to the ordinary or otherwise use(s). Furthermore, nothing contained herein should be considered as a recommendation by New Directions Aromatics Inc. as to the fitness for any use. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. New Directions Aromatics Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties.