



NEW DIRECTIONS AROMATICS

MATERIAL SAFETY DATA SHEET

SECTION: 1.1 PRODUCT IDENTIFICATION

Product Name: Cocoa Butter – Refined Deodorized
Botanical Name: *Theobroma cacao*
Synonyms: *Theobroma sativa*
INCI Name: Theobroma cacao (cocoa) seed butter
CAS #: 8002-31-1
Country of Origin: China

SECTION: 1.2 COMPANY IDENTIFICATION

Company: New Direction 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: Palmitate, stearate, oleate, linoleate, linolenate, arachidate.
Total Saturated: 54 – 75% **Total Monounsaturated:** 20 – 40% **Total Polyunsaturated:** 1 – 5%
Oleic Acid Content: 31 – 38 **Linoleic Acid Content:** 1.6 – 4.8
Palmitic Acid Content: 23 – 30 **Stearic Acid Content:** 31 – 37

SECTION: 3. HAZARDS IDENTIFICATION

Not hazardous under normal conditions

Medical Information: N/A

SECTION: 4. FIRST AID MEASURES

Eye Contact: Flush the eyes with large amount of water and seek medical attention.
Inhalation: No Direct Hazard. Remove to fresh air.
Ingestion: No Direct Hazard. Rinse mouth with water and consult a physician.
Skin Contact: Slight irritation. Wash with water & soap

SECTION: 5. FIRE FIGHTING MEASURES

Flash Point: NOT less than 93 °C (200 °F)
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

SECTION: 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use of self-contained breathing apparatus is recommended.
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.



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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 20° 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:	Yellow solid.
Odor:	Typical odor, faint cocoa odor
Solubility:	Soluble in alcohol and oils. Insoluble in water.
Refractive Index	1.456 – 1.459
Moisture	0.12 max
Free fatty acids	1.75% max
Melting Range:	33 – 35°C
Saponification Value:	188 – 198 mg KOH/g fat
Iodine Value:	33 – 42 gl/100g
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	None known.
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



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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

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CERTIFICATE OF ANALYSIS

Product: Cocoa Butter – Refined Deodorized
Lot No.: 16054-A08
Manufacturing Date: March 2011
Best Before: March 2013

<u>Property</u>	<u>Specification</u>	<u>Result</u>
Appearance:	Yellow solid.	Complies
Odor:	Typical odor, faint cocoa odor	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Refractive Index	1.456 – 1.459	Complies
Moisture	0.12 max	Complies
Free fatty acids	1.75% max	Complies
Melting Range:	33 – 35°C	Complies

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