

MATERIAL SAFETY DATA SHEET

1. Product Identification:

Product Name:	Cocoa Butter - Natural
Botanical Name:	<i>Theobroma cacao</i>
Synonyms:	<i>Theobroma sativa</i>
INCI Name:	Theobroma cacao (cocoa) seed butter
CAS #:	84649-99-0

Country of Origin:

2. Classification:

Chemical Identification: Butters, cocoa
UN No. 9277: Oils, n.o.s.
Flash Point NOT less than 93 °C (200 °F)

3. Hazardous Ingredients Information:

Not hazardous under normal conditions.

4. Physical & Chemical Properties:

Appearance:	Yellowish solid.
Odor:	Characteristic cocoa odor resembling chocolate to some extent.
Solubility:	Soluble in alcohol and oils. Insoluble in water.
Free Fatty Acids:	1.40 – 1.75 %
Peroxide Value:	< 5.0
Non-Saponifiables:	0.20 – 0.40 %
Saponification Value:	188 – 198
Iodine Value:	33 – 42
Total Saturated:	54 – 75
Total Monounsaturated:	20 – 40
Total Polyunsaturated:	1 – 5
Oleic Acid Content:	31 – 38
Palmitic Acid Content:	23 – 30
Linoleic Acid Content:	1.6 – 4.8
Stearic Acid Content:	31 – 37
Extraction Method:	Expeller pressed from the seeds.
Constituents:	Palmitate, stearate, oleate, linoleate, linolenate, arachidate.
Clear Melting Point:	31 – 35 °C
Slip Point:	30 – 34 °C

5. Fire/Explosion Hazard:

Flash Point: 150 °C

6. Reactivity/Stability Data:

Reactivity: Stable.

Decomposition: When heated to decomposition produces carbon dioxide and carbon monoxide smoke.

7. Toxicological Properties/Information:

None are known.

8. Preventive Data:

Spillage: Absorb spills, cover with an inert, non-combustible, inorganic absorbent material, and remove to an approved disposal container.

Fire: Recommended extinguishing media – water spray, CO₂, foam and dry chemicals.

Environment: Keep away from drains, surface and ground water.

Storage: Store in cool, dry place in tightly closed container away from sources of heat and light. Keep air contact to minimum.

9. First Aid Measures:

Eye contact: Flush with water for at least 15 minutes.

Inhalation: Remove to fresh air.

Ingestion: Rinse mouth thoroughly.

Skin contact: Wash with soap and plenty of water.

11. Individual Protection for Industrial Use:

Safety goggles. Gloves.

12. Preparation Information:

Revision Date: January 22, 2010.

Disclaimer

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<u>CERTIFICATE OF ANALYSIS</u>	
PRODUCT: COCOA BUTTER – NATURAL	
Specifications:	Results:

Appearance:	Yellowish solid.	Complies
Odor:	Characteristic cocoa odor resembling chocolate to some extent.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Free Fatty Acids:	1.40 – 1.75 %	Complies
Saponification Value:	188 – 198 mg KOH/g fat	Complies
Iodine Value:	33 – 42 gl/100 g (Wijs)	Complies
Slip Point:	30 – 34 °C	Complies