



## CERTIFICATE OF ANALYSIS

### IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY

**Trade Name:** Cocoa butter : unrefined premium  
**Material Supplier:** Sheabutter Cottage  
**Address:** Unit 10, Albury close, Reading, RG30 1BD - UK  
**Tel:** +44 (0) 118 9576 118

### COMPOSITION / INFORMATION

**Trade Name:** Cocoa butter : unrefined premium  
**IncI Name:** Theobroma cacao  
**Status:** Solid  
**Application:** Skincare/Cosmetics/Food

Not restricted in the Cosmetics Directive. Suitable for human consumption. Free from all harmful or toxic substances with a mild taste.

### PHYSICAL & CHEMICAL PROPERTIES

**APPEARANCE:** Pale cream - solid. Melts at 34°C  
**SOLIDIFICATION POINT:** 28.3°C  
**ODOUR:** Characteristic - chocolate  
**SAPONIFICATION VALUES:** .136 (**NaOH**) .192 (**KOH**)  
**REFRACTIVE INDEX:** 1.4565  
**FREE FATTY ACIDS:** 1.75% (max)  
**UNSAAPONIFIABLES:** 0.35% (max)  
**ADDITIVES:** Nil  
**STABILITY:** Stable

### MICROBIOLOGICAL PROPERTIES

**SALMONELLA:** Absent in 25g  
**COLIFORMS/ESCHERICHIA COLI:** Absent in 1g

### PROFILE

**Iodine value:** 37.5%

C12:0	Lauric Acid	0%
C14:0	Myristic Acid	0%
C16:0	Palmitic Acid	28%
C18:0	Stearic Acid	33%
C18:1	Oleic Acid	35%
C18:2	Linoleic Acid	3%

### **SOAP QUALITIES (Usage rate in soap 3% to 50%)**

Hardness	61%
Conditioning	38%
Stable	61%
INS Value	157



## **HAZARDS IDENTIFICATION**

### **FIRST AID MEASURES**

INHALATION:

Concentrated product. Observe good housekeeping procedures

No vapours present at normal temperatures.

EYE CONTACT:

Rinse immediately with plenty of water for at least 15 minutes. Contact a doctor if symptoms persist.

SKIN CONTACT:

Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.

OTHER:

When assessing action take Risk & Safety Phrases into account (section 15).

### **FIRE FIGHTING MEASURES**

EXTINGUISHING MEDIA RECOMMENDED:

Use CO<sub>2</sub> Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

SPECIAL MEASURES:

Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing. Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

EXTINGUISHING PROCEDURES:

### **ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS:

Avoid contact with skin, eyes and clothes. Note that spillages constitute a slipping hazard. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

ENVIRONMENT PRECAUTIONS:

Keep away from drains, soils, surface and groundwater.

CLEANING UP METHODS FOR SPILLAGES:

Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Clean with hot water and detergents. Observe state, federal and local disposal regulations.

### **HANDLING & STORAGE**

PRECAUTIONS IN HANDLING:

Apply good manufacturing practice & industrial hygiene practices. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. Avoid static discharges.

STORAGE CONDITIONS:

Store in tightly closed original container, in a cool & dry area away from heat sources & protected from light. Keep air contact to a minimum

FIRE PROTECTION:

Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

### **EXPOSURE CONTROLS/PERSONAL PROTECTION**

RESPIRATORY PROTECTION:

No special measures under normal conditions.

HAND PROTECTION:

No special measures under normal conditions.

EYE PROTECTION:

Use safety glasses if there is a risk of splashing.

WORK/HYGIENE PRACTICES:

Wash hands with soap & water after handling

### **TOXICOLOGICAL INFORMATION**

No known data.



**ECOLOGICAL INFORMATION**

BIODEGRADABILITY:

PRECAUTIONS:

Readily biodegradable.

Prevent surface contamination of soil, ground & surface water.

**DISPOSAL CONSIDERATIONS**

Avoid disposing to drainage systems and into the environment. Seek expert advice.

**REGULATORY INFORMATION**

HAZARDS:

SYMBOLS:

RISK PHRASES:

SAFETY PHRASES:

According to Directive 88/379/EEC

N/A

N/A

N/A

N/A

The above information has been provided for documentation purposes

