

MATERIAL SAFETY DATA SHEET (MSDS)

TUCUMA BUTTER (*Astrocaryum vulgare seed butter*)

SECTION 1 - CHEMICAL PRODUCT

Product	TUCUMA BUTTER (<i>Astrocaryum vulgare seed butter</i>)
Product ID:	005
Production process	Cold extraction
Origin:	Amazonian Forest, wild crafted
Product use:	Personal Care Formulations

SECTION 2 - HAZARDOUS IDENTIFICATION

Classification according to EC regulation 1272/2008 (CLP)
This substance is not classified as hazardous according to regulation (EC) 1272/2008 [CLP].

Classification according to Directive 67/548/EEC or 1999/45/EC
This preparation is not classified as dangerous according to 1999/45/EC.

GHS LABEL ELEMENTS

Classification according to EC regulation 1272/2008 (CLP):

Signal word:	Not applicable
2.1. Hazard Pictograms	Not applicable
2.2. Hazard Statements	Not applicable
2.3. Safety Precautions	P101: If medical advice is needed, have product container or label at hand P102: Keep out of reach of children P103: Read label before use
2.3 .2 _ Prevention precautionary statements	P261: Avoid breathing dust/fume/gas/mist/vapors/spray. P272: Contaminated work clothing should not be allowed out of the workplace.

	<p>P280: Wear protective gloves. P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER/ doctor/ according to your area. P302 + P352: IF ON SKIN: Wash with plenty of water and soap P302: Call a POISON CENTER or doctor/physician if you feel unwell P331: Do NOT induce vomiting. P321: Specific treatment- see on this label P330: Rinse mouth P333 + P313: if skin irritation or rash occurs: Get medical advice/attention. P362 + P364: Take off contaminated clothing and wash it before reuse. P405: Store locked up.</p>
	<p>P501: Dispose of contents/container in accordance with local/regional/national/international regulations.</p>
<p>Labelling (67/548/EEC or 1999/45/EC)</p>	
2.1. Hazard Symbol	Not applicable
2.2. Risk Phrases	Not applicable
2.3. Safety Phrases	<p>S02 - Keep out of the reach of children. S23 - Do not breathe gas/fumes/vapor/spray (appropriate wording to be specified by the manufacturer). S37- Wear suitable gloves. S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label</p>

SECTION 3 – COMPOSITION / INGREDIENT INFORMATION

Substance or mixture:	Substance
Ingredients:	TUCUMA BUTTER
INCI Name	<i>Astrocaryum vulgare seed butter</i>
Hazardous Components	Not a hazardous material under the Department of Labor definitions. Is Generally Recognized As Safe (GRAS) under the Food, Drug and Cosmetic Act. According to Classification 1999/45/EC not classified as hazardous. According to Classification 1272/2208 not classified as hazardous.
Reach status (EC1907/2006)	This product is according to Annex 5, §9 exempted from the registration.
CAS #	98143-57-8
EINECS #	n/a

SECTION 4 – FIRST AID MEASURES

Eyes	Flush eyes with plenty of water or eye wash solution for at least 15 minutes – get medical attention if irritation persists.
Skins	Wash with soap and water – get medical attention if irritation persists.
Ingestion	If ingested in large amounts can cause nausea, vomiting and diarrhea
Inhalation	Under mist conditions, no short term inhalation limits
Acute	Not known

SECTION 5 – FIRE FIGHTING MEASURES

Flash point and Method	Not determined
Auto ignition	Not determined
Boiling point	Not determined
Extinguishing Media	CO2, Dry chemicals, Foam
Special fire fighting	Class B Fire; Application of water to burning oil can cause

procedures	splattering; oil will float; use air supplied equipment for fighting interior fires.
Unusual Fire & explosion	None
Possible risk of auto ignition/spontaneous combustion under high temperature/closed conditions if material is absorbed on various matrices and oxygen present.	

SECTION 6 – ACCIDENTAL RELEASE MEASURES

If material is spilled	No specific hazards; material is non-hazardous; if in mist form and levels are above 15g/m ³ (total), a dust mask and goggles are required
Personal Precautions	
Respiratory protections	Not normally needed
Ventilation	Intermittent clean air exchanges recommended, but not required
Protection gloves	Not normally needed
Eye protection	Not normally needed
Environmental precautions	Dispose of in accordance with local, state and federal regulations

SECTION 7 – HANDLING & STORAGE

Handling	Not special requirements
Store requirements for storage areas and containers	Storage in a cool, dry location, in a sealed container, don't expose to direct sunlight, keep storing temperature below 77°F (25°C)
Shelf life	24 months, should be stored tightly sealed, protected from light and heat.

SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

Eye protection	SAFETY GLASSES
Skin protection	N/A
Respiratory protection	Not needed under normal conditions
Ventilation	Area should be well ventilated
Special	N/A
Mechanical	N/A
Other protective clothing	None
Work/hygienic practices	Normal work and hygiene practices for handling nn-hazardous liquid material

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Physical State	solid
Appearance	White to yellow
Odor	Typical vegetable oil odor, characteristic
Specific density	0,967
Solubility in water	Insoluble
Liquid surface tension	25 dynes/cm @20°C
Melting point	30 – 32°C
Vapor pressure (mm Hg)	N/A
Evaporation rate	Greater than 1
Water reactive	No

SECTION 10 – STABILITY & REACTIVITY

Stability	Generally stable, becomes rancid on extended exposure to air, avoid strong oxidizers
Conditions to avoid	N/A
Incompatibility	None
Hazardous decomposition products	N/A
Hazardous Polymerization	Will not occur

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity	Acute effects are not expected after exposure to the product. DL50 oral: not determined DL50 oral: not determined CL50: not determined
Skin irritation	May cause mild skin irritation
Eye irritation	May cause mild irritation to eyes
Respiratory or skin sensitization	Not expected sensitizing effects after exposure to the product
Germ cell mutagenicity	Not expected that the product presents mutagenic potential
Carcinogenicity	Not expected that the product has carcinogenic potential
Reproductive toxicity	Not expected that the product present to potential toxicity

	reproduction.
Systemic target organ toxicity – single exposure	Systemic effects are not expected after single exposure to the product
Systemic target organ toxicity – repeated exposure	Systemic effects are not expected after repeated and exposure to the product.
Aspiration Hazard	Not determined

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity	Product does not present risk
Persistence and degradability	Good degradability
Bio accumulative potential	No bioaccumulation
Mobility in soil	Well-tolerated
Other adverse effects	Not determined

SECTION 13 – DISPOSAL INFORMATION

Waste Disposal Methodo(s)	Physically clean up, check local landfill disposal requirements
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SECTION 14 – TRANSPORTATION INFORMATIONS

Dot classification	Not a DOT controlled material (USA); ship as raw material for cosmetically use, not to be with incompatible materials include poisons.
Class division	Not restricted
Proper shipping name	N/A
Label	None
Packing group	N/A
Id Number	N/A
Hazard	N/A

SECTION 15 – REGULATORY INFORMATIONS

Immediate (acute) Health	N
Sudden release of pressure	N
Delayed (chronic) health	N
Reactivity	N
Fire	N
State Right-To-Know (RTK) information: Check with specific state authorities since regulations vary within the states.	

SECTION 16 – ADDITIONAL INFORMATIONS

To the best knowledge, the information contained herein is accurate and is provided in good faith to comply with applicable federal and state laws. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is sole responsibility of the user.

All materials may present unknown hazards and should be used with caution, although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

NA = Not applicable

ND = Not determined