

# AVOCADO BUTTER HYDROGEN

Code: C-BT4682RF

Review: 01 Date: 02/04/19 Prepared by: Quality Analyst

## MATERIAL SAFETY DATA SHEET (MSDS)

### 1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

Material Name: Avocado Butter Hydrogen.

Scientific name: *Persea gratissima*.

Product Code: C-BT4682RF.

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

INCI name <sup>1</sup> (CTFA)	CAS no.	EINECS no.	Concentration <sup>2</sup>	EU Symbol	EU R-Phrase
<i>Persea gratissima seed butter</i>	91770-40-0	N/A	A	No health risk	No health risk
INCI name (EU labeling) <sup>1</sup>	CAS no.	EINECS no.	Concentration <sup>2</sup>	EU Symbol	EU R-Phrase
<i>Persea gratissima seed butter</i>	91770-40-0	N/A	A	No health risk	No health risk

<sup>1</sup> CTFA dictionary

<sup>2</sup> FDA – Code (A = >50 %, B = 25 -50%, C = 10 – 25%, D = 5 -10%, E = 1 -5 %, F = 0,1 -1, G = <0,1%)

### 3. HAZARD IDENTIFICATION

This product is a pure vegetable butter that is not considered to present any hazard during normal use. Non-Dangerous, Non Hazardous product, usually accepted as a sage commodity (GRAS) in accordance to the food, drugs and cosmetics legislation.

Potential Chronic Health Effects	Effects
Carcinogenic	Not Available
Mutagenic	Not Available
Teratogenic	Not Available
Developmental toxicity	Not Available

Repeated or prolonged exposure is not known to aggravate medical condition.

**Special attention during handling:** Avoid moisture and heat.

**Exposure symptom:** No risk.

### 4. FIRST AID

**Inhalation** Not available.

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<b>Skin contact</b>	Remove contaminated clothing and wash with soap and copious amount of water for at least 15 minutes.
<b>Eye contact</b>	If wearing contact lenses, remove them. Wash eyes with clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.
<b>Ingestion</b>	Non toxic in small doses. For sizeable amount, seek medical assistance. Effects appear more severe in individuals with kidney problems.

In case of doubts or when symptoms persist, call a doctor. Never administer any medicine for unconscious people.

## 5. FIRE – FIGHTING MEASURES

<b>Extinguishing measures:</b>	Carbon Dioxide (CO <sub>2</sub> ), dry chemical powder or appropriate foam. Do not use a direct stream of water to extinguish.
<b>Special risks:</b>	Fire can cause thick and black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion products can be harmful to your health.
<b>Protective measures for fire fighting team</b>	
<b>Fire protection equipment:</b>	According to the size of the fire, it may be necessary to use fire fighting protective clothes against the heat, individual breathing equipment, gloves, protective gloves or facemasks.
<b>Other recommendations:</b>	Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take into consideration the wind direction. Prevent the products used to fight the fire from going into drains, sewers, or waterways.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	
<b>For non emergency people team:</b>	Eliminate possible ignition points and ventilate the area. Avoid breathing fumes. For exposure control and individual protection measures.
<b>Environmental Precautions:</b>	Prevent the contamination of drains, surface or subterranean waters, and the ground. In case of large spills or if the product contaminates lakes, rivers, or sewers, inform the responsible authorities according to local legislation.
<b>Cleaning methods:</b>	Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc). Store the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned.

## 7. HANDLING AND STORAGE

<b>Precautions for safe handling:</b>	Keep the container tightly closed and isolate from heat sources, sparks, and fire. Prevent the contact with skin or eyes. In the application area, smoking, eating, and drinking must be prohibited. Follow legislation on occupational health and safety. Keep the product in containers made of a material identical to the original.
<b>Conditions for safe</b>	Store according to local legislation. Store the containers in a dry and well-ventilated

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**storage, including any incompatibility** place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidizers agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Environmental and occupational exhibition limits were not determined, but the following cautions should be followed for individual protection:

- Avoid contact with eyes, skin and clothing;
- Avoid prolonged or repeated exposure;
- Approved respirator;
- Resistant gloves;
- Chemical safety goggles;
- Keep container closed;
- Keep away from heat and open flame;
- Store in a cool dry place.

<b>Control parameters</b>	Environmental and occupational exposition limits were not determined.
<b>Engineering measures control</b>	Measures not determined.
<b>Personal protection measures</b>	<ul style="list-style-type: none"><li>- Avoid contact with eyes, skin and clothing;</li><li>- Avoid prolonged or repeated exposure;</li><li>- Approved respirator;</li><li>- Resistant gloves;</li><li>- Chemical safety goggles;</li><li>- Keep container closed;</li><li>- Keep away from heat and open flame;</li><li>- Store in a cool dry place.</li><li>- Other: Evaluate necessity based on application. Slip proof shoes may be worn where spills may occur.</li></ul>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Waxy Solid
<b>Color</b>	White, yellowish to greenish
<b>Odor</b>	Characteristic
<b>pH</b>	Not determined
<b>Melt Point (°C)</b>	38.0 – 48.0
<b>Flash point (°C)</b>	Not determined
<b>Density (g/mL at 20°C)</b>	0.881 – 0.920
<b>Evaporation rate</b>	Not determined
<b>Flammability</b>	Not determined
<b>Upper/Lower limit of flammability or explosivity</b>	Not determined
<b>Steam pressure</b>	Not determined
<b>Steam density</b>	Not determined
<b>Solubility</b>	Insoluble in water
<b>Partition coeficiente n-octanol/water</b>	Not determined
<b>Autoignition temperature</b>	Not determined
<b>Decomposition temperature</b>	Not determined

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Brookfield Viscosity Not determined

## 10. STABILITY AND REACTIVITY

**Stability:** The product is stable.  
**Possibility of dangerous reaction:** Avoid proximity to heating sources and/or ignition.  
**Conditions to be avoided:** Avoid proximity to heating sources and/or ignition.  
**Incompatible materials:** Strong oxidizing agents;  
Strong acids;  
Acid Chlorides;  
Acid anhydrides.

## 11. TOXICOLOGICAL INFORMATION

**Effects of over exposure inhalation:** No hazard normal industrial use  
**Primary cutaneous irritation:** Not considered irritating  
**Repeated cutaneous irritation:** Not considered irritating  
**Maximized cutaneous sensitization:** Not considered sensitizer  
**Repeated cutaneous photoirritation:** Not considered photo irritating  
**Maximized cutaneous photosensitization:** Not considered photosensitizer  
**Phototoxicity:** Not considered phototoxic

## 12. ECOLOGICAL INFORMATION

**Comment** None  
**Ecotoxicity** None

## 13. DISPOSAL CONSIDERATIONS

**Methods of Disposal** Dumping into sewers or waterways is prohibited. Waste and empty containers must be handled and eliminated according to current, local/national legislation.  
**EU Code of Disposal** Dispose in accordance with local regulations.

## 14. TRANSPORT INFORMATION

Transport temperature (°C) 10 – 30°C  
Transport signalization: N.A

## 15. REGULATORY INFORMATION

Product doesn't require register according to health ministry.

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## 16. OTHER INFORMATION

Source of key data      The recommendations presented in this Material Safety Data Sheet (MSDS) were compiled from actual test data, when available, comparison with similar products, component information from suppliers and from recognized codes of good practice.

The information and recommendations contained herein are, to the best of our knowledge and belief, accurate and reliable as of the date issued, but is offered without guarantee or warranty. They relate to the specific material designated and may process.

Conditions of use the material are under the control of the user, therefore, it is user's responsibility to satisfy himself as to the suitability and completeness of such information for this own particular use.