

## MATERIAL SAFETY DATA SHEET (MSDS)

### 1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

**Material Name:** Passion Fruit Virgin Oil

**Chemical Description:** Passion Fruit Oil, *Passiflora edulis*.

**Product Code:** 0115CNOIL

### 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>Passiflora edulis oil</i>	97676 – 26 – 1		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>Passiflora edulis oil</i>	97676 – 26 – 1		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 which is not considered to present any hazard during normal use.

Risks Classification	NFPA 04	HMIS
H = Health	0	0
F = Flammability	0	0
R = Reactivity	0	0
S/R = Special recommendations	NW	NW

CODES RISKS	4 -EXTREME	3 – HIGH	2 - MODERATE	1 – LIGHT	0 – NO RISKS	N/W – USE NO WATER
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### 4. FIRST AID

<b>Inhalation</b>	At ambient/normal handling temperature (0 – 38 deg. C), no adverse effects due to inhalation of vapor are expected.
<b>Skin contact</b>	No adverse effects due to skin contact expected. Wash with water and soap.
<b>Eye contact</b>	Rinse with water. In case of irritation seek medical advice.
<b>Ingestion</b>	No adverse effects due to ingestion are expected.

### 5. FIRE – FIGHTING MEASURES

<b>Extinguishing media:</b>	Combustible Liquid Class III – B above 228 Celsius – Method used.
<b>Extinguishing media not applicable:</b>	Cleveland Cup CO2 chemical powder, sand.

**Fire and explosion hazards:** Water.

Combustible material, low hazard. The product can form flammable mixtures or can burn only on heating above the flash point. However, minor contamination by hydrocarbons of higher volatility may increase the hazard. Leakage or conditions resulting in impregnation

of this oil with some porous materials such as rags, paper, insulation or clay may cause spontaneous combustion.

Special fire-fighting procedures: Water fog or spray, to cool fire-exposed surfaces (e.g. containers) and to protect personnel, should only be used by personnel trained in firefighting. Do avoid the use of water directly over the flames; it could disperse the oil and thus the fire. Cut off "fuel", depending on circumstances, either allows the fire to burn out under controlled conditions or use foam or dry chemical powder to extinguish the fire. Respiratory and eye protection required for firefighting personnel exposed to fumes or smoke.

**Hazardous combustion products**

Smoke, carbon monoxide and carbon dioxide.

**Protection of Firefighters**

Use adequate eye and skin protection; water suitable self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES****Personal Precautions**

None Known

**Environmental Precautions**

None

**Methods of Cleaning Up**

Material is biodegradable and does not require special cleanup.

**7. SAFETY OPERATION GUIDELINES**

Masks, glasses and ventilation are desirable but not mandatory. Gloves are required.

**8. HANDLING AND STORAGE****Handling**

None restrictions

**Storage**

Store at room temperature

**Suitable Packaging Materials**

Opaque, tightly sealed container.

**9. EXPOSURE CONTROL / PERSONAL PROTECTION****Engineering measures**

Ensure ventilation or local exhaust if formation of vapor occurs

**Hygiene measures**

Good industrial hygiene should be followed

**Occupational Exposure Limits**

No occupational exposure limits have been established.

**Personal Protection Equipment**

Normal protection should be observed as for handling all chemicals

**10. PHYSICAL AND CHEMICAL PROPERTIES****Physical State**

Liquid

**Aspect at 25 °C**

Liquid

**Color**

Yellowish

**Odor**

Not deodorized

**pH**

No data

**Boiling Point (°C)**

No data

**Density at 25 °C (g/cm<sup>3</sup>)**

0,917

**Refraction value at 40°C (Zeiss)**

1,45

**Iodine value (gI<sub>2</sub>/100g)**

136,5

**Saponification value (mgKOH/g)**

Aprox. 182

**Peroxide value (meq/1000g)**

Aprox. 10

**Acid value (mgKOH/g)**

Aprox. 10

**Solubility in water**

Insoluble

**Fatty acid distribution**

No data

**Others (%)**

No data

Partition coefficient No data

## 11. STABILITY AND REACTIVITY

**Stability Conditions to avoid** Stable under normal conditions  
**Incompatible materials** Avoid contact with strong oxidants such as liquid chlorine and concentrated oxygen.  
**Hazardous decomposition products** Smoke and carbon monoxide may be formed in the event of incomplete combustion. Product does not decompose at ambient temperature

## 12. TOXICOLOGICAL INFORMATION

**Effects of over exposure inhalation : skin contact** No hazard normal industrial use.  
**Primary cutaneous irritation** Not considered irritating.  
**Repeated cutaneous irritation** Not considered irritating  
**Maximized cutaneous sensibilization** Not considered sensitizer  
**Repeated cutaneous photoirritation** Not considered photo irritating  
**Maximized cutaneous photosensibilization** Not considered photosensitizer  
**Phototoxicity** Not considered phototoxic  
**Eye contact** -  
**Ocular irritation 7 days** -  
**Toxicity data** -  
**Oral, rat, LD 50** -  
**Dermal, rat, LD 50** -

## 13. ECOLOGICAL INFORMATION

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

This assessment is based on general information for vegetable oils. The oil will largely on the soil surface, and in water, will remain largely on the water surface. No harmful effects to terrestrial or aquatic habitats would be expected. This product is expected to be biodegradable.

## 14. DISPOSAL CONSIDERATIONS

**Methods of Disposal** Dispose in accordance with local, state and federal regulations  
**EU Code of Disposal** Dispose in accordance with local regulations.

## 15. TRANSPORT INFORMATION

**Usual shipping containers** Road tankers, liquid containers, drums.  
**Transport temperature (°C)** 10 – 25 °C  
**Transport sea/air** Not regulated  
**Transport land** Not regulated

## 16. REGULATORY INFORMATION

**EC Regulations** N/A  
**EC Classifications** N/A  
**Label Name** Passion fruit virgin oil  
**Risk Phrases** None  
**None Hazard Symbols** None

**17. OTHER INFORMATION**

<b>Product type/uses</b>	Glycerides of fatty acids
<b>Source of key data</b>	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 are 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.**

**This data sheet was prepared in accordance with directive 88/379/EEC 2 – directive 91/155/CEE  
EU labeling : INCI name according amending Decision 96/335/EC of 09 February 2006 establishing an inventory and a common nomenclature of ingredients employed in cosmetic products.**