

Palm oil

Safety Data Sheet

Version 2, Revision 8/25/2016.

SECTION 1: Identification

1.1. Identification

Product name : Palm oil

1.2. Recommended use and restrictions on use

Edible Food Oil

1.3. Supplier

Camden-Grey Essential Oils, Inc.
5751 Halifax Ave., Unit 2
Fort Myers, FL 33912
www.camdengrey.com

1.4. Emergency telephone number

Emergency number: Chemtrec -1.800.424.9300/ 1.703.527.3887 CCN330

SECTION 2: Hazard(s) identification

Palm Oil is Generally Recognized as Safe (GRAS) under US Federal Food, Drug, & Cosmetic Act – 21CFR 182.1

GHS Hazard Classification:

This product is NOT classified as hazardous according to 29CFR 1910, amended to conform to the United Nations' Globally Harmonized System of Classification and Labelling of Chemicals (OSHA / GHS)

GHS Label Elements:

No GHS labelling required
Hazard Pictogram: None
Signal Word: None
Hazard Statement: None
Other Hazards: None Known

SECTION 3: Composition/information on ingredients

3.1. Substance

Ingredient Name	CAS #	EINECS #	Percent
Palm Oil	8002-75-3	232-316-1	>99 %
INCI Name	Elaeis guineensis (Palm) Oil		
Synonyms	Palm Oil, Modified Palm Oil, Votated Palm Oil, Palm Based Shortening, Palm Butter		

SECTION 4: First-aid measures

4.1. Description of first aid measures

Eyes Flush with copious amounts of water for at least 15 minutes.
If irritation persists, seek medical attention.

Skin Wash exposed area. If irritation persists, seek medical attention.

Inhalation Immediately remove individual to fresh air. Seek medical attention.

Ingestion If large amount ingested, seek medical attention. Do not induce vomiting.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Rags and/or other materials soaked with any solvent oily material may heat and spontaneously combust if exposed to air. Store materials in UL listed or FM approved covered container.

FLASH POINT: >500° F (260° C)
EXTINGUISHING MEDIA: Foam, Dry Chemical, CO₂. Do not use water.
FIRE FIGHTING EQUIPAMENT: Firefighters should use self-contained breathing apparatus and wear protective clothing.

Palm oil

Safety Data Sheet

NFPA Ratings:

NFPA Scale:

4- Extreme

3 - High

2- Moderate

1 - Slight

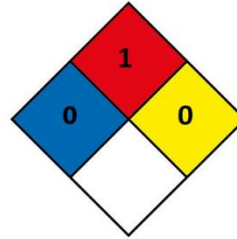
0 - Insignificant

1 Red-Flammability

0 Blue-Toxicity

0 Yellow-Reactivity

White - Special



SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Spills or Leaks

Immediately isolate and contain oil. Keep unauthorized personnel away. Ensure adequate ventilation. Do not walk through spilled oil. Wear appropriate personal protection equipment. Eliminate all sources of ignition (no sparks, flame, flares, or smoking).

Small Spills

Absorb with earth, sand, or other non-combustible material. Transfer clean-up materials to a proper covered container for later disposal.

Large spills

Dike ahead of liquid spill for later disposal. Prevent entry into waterways, sewers, basements, or confined areas.

Caution

Surfaces may be slippery after spillage. Wear slip-resistant shoes. Oil soaked materials may spontaneously combust. Store in UL listed or FM approved covered container until disposal.

SECTION 7: Handling and storage

Handling

Good manufacturing hygiene practices should be followed.

Storage

Store in dry, odor-free environment, away from flame, fire, excessive heat, and strong oxidizers.

SECTION 8: Exposure controls/personal protection

Eye

Safety glasses or chemical goggles may be worn.

Skin

Gloves should be worn.

Respiratory

None required under normal conditions.

Ventilation

Use adequate ventilation. A mechanical exhaust system may be used.

Other

Slip resistant shoes where spills may occur.

Hygiene Practice

Follow good manufacturing hygiene practices.

Exposure Limits

None established

SECTION 9: Physical and chemical properties

Appearance

White to pale yellow semi-solid at 25°C

Physical State

Votated Palm Oil is soft solid at 25°C

Form

Oil = Semi-solid Votated Oil = solid

Odor

Semi-solid to solid at 25°C

Odor Threshold

Bland

pH

Not applicable

Melting Point/Freezing Point

Not applicable

Initial Boiling Point & boiling range

80.6 – 108.5°F (27 - 42.5°C)

Flash Point

>572°F (300°C)

Evaporation Rate

>500°F (260°C)

Flammability (solid, gas)

Not available

Upper/lower flammability or

Not applicable

explosive limits

Not available

Vapor Pressure

Not available

Vapor Density

>1 (Air = 1)

Palm oil

Safety Data Sheet

Relative Density	Not available
Solubility in Water	Insoluble
Partition coefficient: n-octanol/water	Not applicable
Auto-ignition temperature	600°F (316°C)
Decomposition temperature	Not available
Viscosity	Not available

9.2. Other safety information

Specific Gravity	0.698 – 0.921 (H ₂ O = 1)
------------------	--------------------------------------

SECTION 10: Stability & Reactivity

Reactivity	No reactivity hazards known
Chemical Stability	Stable under normal conditions
Hazardous Polymerization	Will not occur under normal conditions
Conditions to Avoid	Avoid strong oxidizing agents
Incompatible materials	Strong oxidizing agents, acids, alkalis.
Hazardous Decomposition Products	Irritating and/or toxic fumes or gasses during combustion

SECTION 11: Toxicological Information

Primary Routes of Entry	Eye, Skin, Ingestion, and Inhalation
Health Effects - Eyes	May cause slight eye irritation
Health Effects - Skin	May cause slight skin irritation
Health Effects - Inhalation	May cause slight irritation
Health Effects - Ingestion	If large amount ingested, seek medical attention. Do not induce vomiting.
Carcinogenicity	Not listed as carcinogenic according to IARC, ACGIH, NIOSH, NTP, or OSHA
Mutagenicity	No data available for this product
LD50	
Lower:	Not available
Upper:	Not available

SECTION 12: Ecological Information

Ecotoxicity	No Ecotoxicity data noted for this product
Environmental Impact	Biodegradable

SECTION 13: Disposal Considerations

Disposal must be in accordance with applicable federal, state, and local regulations. Regulations may vary in different regions. It is the responsibility of the user of this product to determine, at time of disposal, if product meets RCRA criteria for hazardous waste.

Hazardous Waste Code	Not regulated
----------------------	---------------

SECTION 14: Transport Information

DOT	Not regulated as a hazardous material by DOT
IATA	Not regulated as a dangerous good

SECTION 15: Regulatory Information

US Federal Regulations

US EPA TSCA Inventory List	Yes
CERCLA/SARA Hazardous Substances	Not Applicable
SARA 302 Extremely Hazardous Substances	No
SARA 311/312 Hazardous Chemical	No
SARA 313	No

Other Federal Regulations

Safe Drinking Water Act (SDWA)	Not Regulated
Food & Drug Administration (FDA)	Not Regulated

Palm oil

Safety Data Sheet
US State Regulations
CA SB 484

Does not contain any chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

International Inventories

Country or Region	Inventory Name	On Inventory*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing & New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals & Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components comply with the inventory requirements administered by the governing country

SECTION 16: Other Information

DISCLAIMER: The information in this SDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness and accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond Camden-Grey Essential Oils, Inc.'s control, it is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising out of the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various government agencies (e.g. DOT, EPA, FDA) may have specific regulations concerning the transportation, handling, storage, use or disposal of this product, which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.