

## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION

**Product name** : Food Grade Virgin Coconut Oil  
**Other name of identification** : -  
**Recommended use** : As directly consumed healthy food or as a cooking ingredient  
**Restriction on use** : -  
**Manufacture** : Serendipol (Pvt) Ltd., Pannala Road, Dandagamuwa, Kuliypitiya, Sri Lanka.  
**Emergency Phone no.** : +94-37 2284568  
**CAS No.** : 8001-31-8

### SECTION 2. COMPOSITION/ INGREDIENT INFORMATION

Ingredients	%	TLV
Coconut oil	100	N / A

Product name	Food Grade Virgin Coconut Oil
Formula	Fatty acid triglyceride/ glycerin ester of C <sub>6</sub> -C <sub>18</sub> fatty acids
INCI Name	<i>Cocus nucifera</i>

### SECTION 3. HAZARD IDENTIFICATION

#### Hazard overview:

This product is used, pure or as an ingredient, in food and body care products. There are no known health hazards during normal use.

Accidental contact with eyes, skin and excessive ingestion may cause mild irritation, as any other food-grade vegetable oil

#### SECTION 4. FIRST AID MEASURES

These measures may apply in case of excessive exposure.

**Eyes:** Wash with light soap and rinse with water.

**Skin:** Wash with light soap and rinse with water.

**Inhalation:** Coconut aroma may cause dizziness in some persons. Avoid exposure and get appropriate amount of fresh air.

**Ingestion:** Do not induce vomiting, natural vomiting only

#### SECTION 5. FIRE-FIGHTING MEASURES

**Coconut oil is only slightly flammable in the presence of high temperatures**

**Flash point:** > 280<sup>0</sup> C

**Extinguishing media:** Foam, dry chemicals or carbon dioxide. Water not effective and should be avoided, but use water to cool containers exposed to fire.

**Extinguishing approach:** Sectional extinguishing or by isolation very effective. Flush spills away from fire.

**Protection of Firefighters:** Wear NIOSH approved self-contained breathing apparatus and other protective clothing to prevent contact with skin and eyes.

**Unusual Fire And Explosions Hazards:** May emit carbon monoxide or irritating / toxic fumes under fire conditions.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES / SPILL CONTROL

Coconut oil liquefies only at temperatures above 20<sup>0</sup> C (70<sup>0</sup>F).

**Spillage of liquid:**

Use caution since spilled coconut oil causes slipperiness on most surfaces. Use sawdust or other absorbent material to contain spillage. Use berms to contain large spills.

**Spillage of solid:**

Collect with shovel into appropriate bins for recycling or waste disposal.

**Waste Disposal Method:**

May be recycled as secondary (light) lubricant or soap ingredient or, depending on amount, disposed in regular waste dumpsite or public waste treatment facility. If the used absorbent material is from organic matter (saw dust), soaked absorbent is a suitable ingredient in compost (organic fertilizer). Prevent spilled oil from flowing into open bodies of water (rivers, creeks, lakes). Because of its high biochemical oxygen demand and rapid biodegradability, excessive amounts of coconut oil may be harmful short-term to living organisms in open water bodies.



## SECTION 7. HANDLING & STORAGE

### Handling:

Handle with care and avoid spillage on the floor

### Storage:

Store in a cool dry place. Keep away from heat. Use steel tanks, steel drums, plastic or glass containers.

## SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Coconut oil has no known acute or chronic toxic effects when used under normal conditions. Depending on working conditions, consider the following protective measures:

**Eye:** Safety glasses

**Skin:** Non-slip, oil resistant gloves

**Inhalation:** Use proper ventilation if oil is handled at high temperatures (frying)

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear to light yellow liquid or white to light yellow solid

**Odor:** Slight characteristic coconut odor

**Melting Point:** 21 – 25 °C (70 – 77 °F)

**Boiling Point:** >450 °C (840 °F)

**pH:** Not applicable

**Flash Point:** > 280 °C

**Specific Gravity:** 0.91 – 0.92 (Water = 1)

**Solubility:** Insoluble in cold water. Soluble in many solvents (petroleum fractions, alcohols, ethers)

## SECTION 10. SAFETY AND REACTIVITY

**Stability:** Coconut oil is chemically stable, except when exposed to high temperatures.

**Incompatibility:** Oxidizing agents, strong bases and acids

## SECTION 11. TOXICOLOGICAL INFORMATION

Coconut oil has a history of safe use as food and body care ingredient and there is no indication of toxicity as a result of normal usage.

**Eye:** Exposure may cause mild irritation

**Ingestion:** Involuntary ingestion of large amounts may cause diarrhea and vomiting.



## SECTION 12. ECOLOGICAL INFORMATION

**Eco toxicity:** Highly biodegradable, organic substance with no known eco-toxicity or formation of toxic degradation products. Because of high biochemical oxygen demand, coconut oil spills may cause oxygen depletion and short-term aquatic toxicity in water.

**Environmental fate:** Disposable with other organic materials for compost production.

## SECTION 13. DISPOSAL CONSIDERATION

Must be disposed of in accordance with federal, state and local environmental regulations. May be recycled as lubricant or feedstock for biodiesel. Suitable for composting if blended with other organic materials.

## SECTION 14. TRANSPORT INFORMATION

Safe for transport by sea, road and air. Take caution to minimize risk of accidental spillage from damaged containers.

**DOT Classification:** Not a DOT controlled material (United States)

Virgin coconut oils does not come under DGR classification and are suitable for air transport

**Special provisions for transport:** Not applicable

## SECTION 15. REGULATORY INFORMATION

**Toxic Substances Control Act (TSCA):** Listed under 8

**SARA 302/304/311/3123/313:** Not listed

**EU (DSCL):** Not listed

**National Fire Protection Association (USA):**

Health hazard: 1

Fire hazard: 1

Reactivity: 0

No specific hazard

**Labeling requirements:** None



## SECTION 16. OTHER INFORMATION

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