**MSDS - VIRGIN COCONUT OIL**

*Date of issue: 6th September 2010*

1 - CHEMICAL PRODUCT/ COMPANY IDENTIFICATION

- **Product name:** Coconut Oil
- **Trade name:** Virgin Coconut Oil (Absolute No Heat Virgin Coconut Oil – ANH-VCO)
- **Halal Status:** Cocoscience ANH-VCO is certified Halal by the Malaysian Government under HDC Reference Number: HDC/HI-C06/1 033-05/2008.
- **Manufacturer (Office):** COCOSCIENCE BIOTECH Sdn Bhd, No.30, Jalan Sri Hartamas 18, 50480 Kuala Lumpur, Wilayah Persekutuan, Malaysia. Website: www.cocoscience.com, email: cocoscience@gmail.com, Fax: +603-6201 6681, Telephone: +6019-398 8888 (Alexander).

2 - COMPOSITION/INFORMATION ON INGREDIENTS

- **INCI Name:** Cocos nucifera (coconut) oil
- **CAS Number:** 8001-31-8
- **EINECS/ ELINCS:** 232-282-8
- **Chemical description:** Fatty acid triglyceride
- **Substance presenting health hazard:** None

3 - HAZARD IDENTIFICATION

- **Environmental Hazards:** None expected if handled and used properly.
- **Human Health Hazards:** None expected if handled and used properly.

4 - FIRST AID MEASURES Effects and Symptoms

- **Ingestion:** Not considered dangerous
- **Inhalation:** Not considered dangerous
- **Skin contact:** Non-irritating
- **Eye contact:** May cause irritation

**First Aid Measures:**

- Ingestion: Not a direct hazard.
- Inhalation: No vapors appear at normal working temperature.
- Skin contact: Not a direct hazard.
- Eye contact: Flush with water for about 15 minutes. If irritation continues see a doctor.

5 - FIRE FIGHTING MEASURES

- **Suitable Extinguishing Media:** Dry powder, foam, carbon dioxide.
- **Unsuitable Extinguishing Media:** Water jet. Use water to cool fire exposed containers, disperse vapors, and flush spills away from fires.
- **Protection of Firefighters:** Wear NIOSH approved self-contained breathing apparatus and other protective clothing to prevent contact with skin and eyes.
- **Unusual Fire & Explosions Hazards:** Emit toxic fumes under extreme fire conditions.
6 - ACCIDENTAL RELEASE MEASURES

Contain all spills and leaks to prevent discharge into the environment.

- **Personal Precautions**: Watch out for slippery conditions when spillage. Wear protective equipment. Avoid contact with eyes.
- **Environmental Precautions**: Keep away from drains and ground water.
- **Small spills**: Spills should be taken up with suitable absorbent and placed in containers. Spill area can be washed with water, collect wash water for approved disposal.
- **Methods of Cleaning Up**: Absorb with non-combustible absorbent and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete. Dispose in accordance with existing federal, state and local government regulations.

7 - HANDLING AND STORAGE

- **Handling**: Handle with care and avoid spillage on the floor (slippage).
- **Measures for safety handling**: Consider normal working hygiene. Keep away from sources of ignition.
- **Storage**: Store in a cool dry place. Keep away from heat.
- **Suitable packing materials**: Coated steel drums, plastic containers, glass bottles.
- **Non-suitable packaging materials**: Direct contact with iron, bronze or copper.

8 - EXPOSURE CONTROL / PERSONAL PROTECTION

- **Ventilation**: Efficient mechanical exhaust system is recommended
- **Respiratory protection**: No special measures at normal room temperature.
- **Hand protection**: Impervious protective gloves
- **Eye protection**: Usage of safety glasses/goggles is recommended.
- **Skin protection**: Impervious apron is recommended
- **Wash Requirement**: Wash with water and soap

9 - PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance**
  - *Form*: Oily, light yellow tint, liquid at >24degC/75degF, semi-solid below 24degC/75degF;
  - *Smell/Odor*: light fragrance of fresh coconut.
- **Information related to safety**
  - *Melting point*: 75 to 81 °F.
  - *Boiling Point*: NA
  - *Cloud Point*: NA
  - *Ignition Temperature*: NA
  - *Auto-inflammability*: Not possible
  - *Explosive properties*: Not explosive
  - *Limits of flammability*: NA
  - *Smoke Point*: >177degC/350degF
  - *Specific gravity*: at 27degC/80.6degF: 0.9200
  - *Solubility*: insoluble in water, soluble in alcohol/solvent, mixes readily with other oils.

10 - STABILITY AND REACTIVITY

- **Stability**: Stable under conditions of cool and dry unopened containers. Avoid damp and humid conditions.
- **Incompatibilities**: Strong oxidation agent, strong acid/ alkali, strong sunlight/ heat/ air
- **Hazardous decomposition products**: Not to be expected.
- **Hazardous Polymerization**: Not to be expected.

11 - TOXICOLOGICAL INFORMATION

The product is considered non-toxic

Acute Toxicity: *Oral (LD 50)*: low order of toxicity, not tested on animals; *Inhalation (LC 50)*: Not noted;
*Skin irritation*: Not noted; *Eye irritation*: Slightly irritant; *Sensitization*: NA
*Chronic Toxicity*: Not noted.
12 - ECOLOGICAL INFORMATION

- **Elimination (persistency and degradability):** Readily biodegradable
- **Bioaccumulative potential:** NA
- **Ecotoxicity:** NA
- According to the chemical composition, does not contain heavy metals and substances classified as dangerous for the environment

13 - DISPOSAL CONSIDERATIONS

*This product is not considered a hazardous waste.* Dispose of in accordance with local regulations. For contaminated packaging: Use suitable waste disposal site approved by local authorities.

14 - TRANSPORT INFORMATION

- **Hazard Class:** Non-hazardous. Coconut Oil is listed by FDA as GRAS (generally regarded as safe) nutrient.
- **Shipping name:** Cocoscience Premium ANH-VCO
- **Label information:** Listed on labels are the product name, batch number, expiry date and net content.

15 - REGULATORY INFORMATION

- According to our information this product is **not dangerous material.**
- Symbols and phrases according to health hazards: None.
- Dangerous substances to label: None.

16 - OTHER INFORMATION

This information is given in good faith and based on our current knowledge of the product. The above information does not claim characteristics of the product in term of legal claims of performance / guarantee. This information only describes safety measures and no liability may arise from the use or application of the product described herein.