

# G Baldwin & Co

PURVEYORS OF NATURAL PRODUCTS SINCE 1844

## Coconut Oil (Fractionated) MATERIAL SAFETY DATA SHEET

### 1 - Identification of Product and Supplier

Product Name: Coconut Oil Fractionated (MCT)

Supplier:

G Baldwin & Co  
173 Walworth Road  
LONDON  
SE17 1RW

Tel: 020 7703 5550

[info@baldwins.co.uk](mailto:info@baldwins.co.uk)

### 2 - Hazards identification:

Classification of the substance or mixture: This product has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/CE as amended:  
This product does not meet the criteria for classification according to  
Directive 67/548/EEC as amended

Classification according to Regulation (EC) No 1272/2008 as amended:  
This product does not meet the criteria for classification according to  
Regulation(EC) 1272/2008 as amended

### Hazard summary

Physical hazards: Not classified for physical hazards

Health hazards: Not classified for health hazards

Environmental hazards: Not classified for hazards to the environment.

### Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Caprylic / Capric, Triglyceride

Hazard statements: The product does not meet the criteria for classification.

Precautionary statements: None.

## **3 - Composition and information on ingredients:**

The product does not belong to any list of substances supposedly hazardous to human or animal health according to EU guideline 548/67 and further amendments, nor to those having recognised exposition limits.

INCI Name: Caprylic / Capric Triglyceride

Chemical Name: Decanoic acid, ester with 1,2,3-propanetriol octanoate; Glycerides, mixed decanoyl and octanoyl; Medium Chain Triglyceride (MCT)

Molecular formula:  $C_{21}H_{40}O_5$

Chemical composition: Fractionated coconut oil is produced from fractionating the desired fatty acids from coconut pulp / flesh of *Cocos nucifera*, *Palmae*

CAS No: 73398-61-5 / 65381-09-1

EINECS Number: 277-452-2 / 265-724-3

Application: Emollient, Masking, Perfuming, Skin Conditioning, Solvent

## **4 - First aid measures:**

Skin contact: Practically non-irritating to the skin. Normal precautions should be observed as for handling all chemicals. Remove contaminated clothes. Wash with water and soap.

Eye contact: Normal precautions should be observed as for handling all chemicals. Immediately flush eyes with copious amounts of running water (10 minutes) if necessary see oculist.

Inhalation: Not relevant. In case of inhalation of vapours call a doctor.

Ingestion: Flush oral cavity, drink plenty of water, and see a physician.

### **5 - Fire - Fighting measures:**

Extinguishing media: Carbon dioxide, foams, inert powder

Extinguishing media to avoid: Water

Special exposure hazards: Fine oil mists may be hazardous. On extreme long heating at high temperature gaseous components occur of acrolein variety.

Protection against fire: Standard

### **6 - Accidental release measures:**

Spillage on soil: Use a solid absorbent and /or wash floors with detergent. May cause slip on floors. If solidified, shovel into containers.

Spillage on water: Since the density of oil is lower than water, it will appear on the surface. The fat can be scraped off the surface. Please dispose according to UK / EU environmental regulations.

### **7 - Handling and storage:**

At times oil-soaked materials may spontaneously combust. No special precautions for safety reasons necessary.

## 8 - Exposure controls and personal protection:

No special personal protective equipment required.  
Wear protective gloves and goggles when handling hot oil.

## 9 - Physical data and chemical properties:

Form: Liquid at room temperature

Colour: Clear (water light colour) oily liquid

Odour: Odourless

pH: Not applicable

Boiling point (°C): >230

Flash point (°C): >230

Ignition temperature (°C): 425

Decomposition temp. (°C): 300

Danger of explosion: Product does not present an explosion hazard

Vapour pressure at 20°C: <0.001 Pa ((Q)SAR)

Melting Point(°C): <-20

Cloud point (°C): -10

Density at 40°C: 0.910 - 0.930

Density at 20°C: 0.930 - 0.960

Hydrosolubility: Insoluble

Liposolubility: Soluble in vegetable oils

## 10 - Stability and Reactivity:

Conditions to avoid: High temperature near flash point

Materials to avoid: Strong oxidising agents

Hazardous decomposition products: Acrolein at extreme heating

Hazardous reactions: Polymerisation not likely to occur

Shelf Life: Min 24 months when stored in nitrogen flushed containers

## **11 - Toxicological information:**

Acute toxicology:

LD/LC<sub>50</sub> values those are relevant for classification:

Oral LD<sub>50</sub> > 5000 mg/kg (mouse)

Dermal LD<sub>50</sub> > 2000 mg/kg (mouse)

RA from 91845-19-1

Inhalative LC<sub>50</sub>/6h 1.86 mg/l (rat)

Max. attainable conc.

Skin irritation /sensitization: Not irritant / sensitizing

Eye contact: Not irritating (Draize test)

Aspiration Hazard: None

Germ cell mutagenicity: Not mutagenic

Carcinogenity: None

Reproductive toxicity: None

STOST-single /Repeated exposure: None

## **12 - Ecological information:**

Aquatic Toxicity:

EC<sub>50</sub>/48h (static) > 0.01 mg/l (Daphnia magna) (EU Method C.2)

no effect up to limit of WS

RA from 65381-09-1

EC50/72h (static) > 0.45 mg/l (des) (EU Method C.3)

LC0/72h (static) ≥ 53 mg/l (Danio rerio) (EU Method C.1)

96h

Fresh water

no effect up to limit of WS

NOEC (static) ≥ 0.45 mg/l (des) (EU Method C.3)

NOEC/21d > 0.01 mg/l (Daphnia magna) (OECD 202 Part II (OECD 211))

no effect up to limit of WS

RA from 65381-09-1

Acute bacterial toxicity: EC50 > 100 mg/l

Acute fish toxicity: LD50 > 100 mg/l

Persistence and degradability: Readily biodegradable (biological degradation:  
92.7% after 28 days)

Bio-accumulative potential: Potential for bio-concentration in aquatic organism  
is low

Mobility in soil: No data

Other adverse effect: No data

### **13 - Disposal considerations:**

Residue for disposal: In a manner consistent with federal, state, and local  
regulations

Waste packing: Observe local regulations.

### **14 - Transport information:**

UN Number: None

UN Proper Shipping Name: None

Transport Hazard Class: Not hazardous according to RID/ADR, GGVS/GGVE,  
ADNR, IMDG, ICAO-TI/IATA-DGR

Packing Group: None

Environmental Hazard: Marine pollutant (Yes/No): No

MARPOL Annex II: Not categorised

<b>15 - Regulatory information:</b>
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Classification and labelling according to

GHS: None

EC: None

<b>16 - Other information:</b>
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### Q.C. REQUIREMENTS

In-line with general product specification. Always satisfy suitability for specific application.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding it's' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.

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