

# MATERIAL SAFETY DATA SHEET

## **01. IDENTIFICATION OF THE SUBSTANCE/MIXTURE & OF THE COMPANY/UNDERTAKING**

1:1-Product Identifiers:					
Product name	Fractionated Coconut Oil Food Grade WHC1151				
Biological Definition	Glycerides, mixed decanoyl and octanoyl				
INCI Name	Caprylic/capric triglyceride				
Synonyms & Trade Names	MCT, middle chain triglycerides				
Reach Registration Number	01-2119492306-35				
FEMA No.	-	FDA No.	-	CoE No.	-
CAS-No	73398-61-5	EC No.	277-452-2	EINECS No.	277-452-2

1:2 – Relevant Identified Uses of the substance or mixture and uses advised against:	
Identified Uses	Industrial, Cosmetic and food use
1:3 – Details of the supplier of the Safety data sheets.	
Company Name	<b>Ancient Wisdom Marketing Ltd</b> <b>Block B Parkwood Business Park, 75 Parkwood Road</b> <b>Sheffield, S3 8AL</b> <b>Email: care@ancientwisdom.biz</b> <b>Tel: 0114 2729165</b> <b>Fax: 0114 2706571</b>
1:4 – Emergency Telephone number	
Contact telephone number	0114 2729165

## **02. HAZARDS IDENTIFICATION**

2:1 Classification of the substance or mixture	
Classification (1999/45)	Not classed as a hazardous substance
Classification (EC 1272/2008)	Not classed as a hazardous substance
2.2 – Label Elements	
Label Elements in accordance with (EC) No 1272/2008	None
2:3 - Other hazards	
Signal Word	None
Contains	No hazardous substances

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Hazard Statements	None
Precautionary Statements	None
Supplementary Precautionary Statements	None
PBT or vPvB according to Annex XIII	No
Adverse physio-chemical properties	None
Adverse effects on human health	None

### **03. COMPOSITION/INFORMATION ON INGREDIENTS**

3:1 - Substances				
Substances	Chemical name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
	Glycerides, mixed decanoyl and octanoyl (Main constituent)	(CAS No) 73398-61-5 (EC no) 277-452-2 (REACH-no) 012119492306-35	100	Not classified
3:2 - Mixtures				
Mixtures	Not applicable			

### **04. FIRST AID MEASURES**

4:1 – Description of first aid measures	
General Advice	Remove contaminated soaked clothing immediately
Inhalation	Move affected person to fresh air, rest. Never attempt to induce vomiting: risk of inhalation. Take medical advice.
Ingestion	Do not induce vomiting. Rinse mouth. May result in aspiration into the lungs, causing chemical pneumonia. Immediately consult a doctor/medical service.
Skin Contact	Wash skin with soap & water, Get medical attention if necessary.
Eye Contact	Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Obtain emergency medical attention.

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## 4:2 – Most important symptoms and effects, both acute and delayed

Symptoms and effects	No additional data available
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## 4:3 – Indication of any immediate medical attention and special treatment needed

Special requirements	Treatment should be in general symptomatic to relieve any effects.
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## **05. FIRE-FIGHTING MEASURES**

### 5:1 - Extinguishing Media

Suitable extinguishing Media	Foam, Carbon dioxide or dry powder.
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Unsuitable extinguishing Media-DO NOT USE	Do not use Solid Water streams as it may scatter and spread fire.
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### 5:2 - Special Hazards arising from substance or mixture

Specific hazards	In case of fire it can release carbon oxides (CO and CO <sub>2</sub> ). Reacts with: oxidising compounds and reducing agents.
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### 5:3 – Advice for firefighters

Special firefighting procedures/ protective actions.	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Avoid (reject) fire-fighting water to enter environment.
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## **06. ACCIDENTAL RELEASE MEASURES**

### 6:1 - Personal Precautions, protective equipment and emergency procedures.

Personal precautions	No naked flames, sparks and do not smoke. Wear suitable protective clothing. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Spill area may be slippery.
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### 6:2 - Environmental Precautions

Environmental Precautions	Use appropriate container to avoid environmental contamination.
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## 6:3 – Methods and materials for containment and cleaning up

Spill Clean Up Methods	Prevent spillage from spreading by using sand or earth. Dike and contain spill. Take up liquid spill into absorbent material, e.g. sand, earth, vermiculite.
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## 6:4 – Reference to other sections

Reference to other sections	Section 8 – Exposure controls/ personal protection for further information on personal precautions, Section 13 – Disposal considerations for further information on waste treatment.
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## **07. HANDLING AND STORAGE**

### 7:1 – Precautions for safe handling

Usage precautions	Smoking, eating and drinking should be prohibited in areas of storage and use. Handle in accordance with good industrial hygiene and safety practice.
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### 7:2 – Conditions for safe Storage including any incompatibilities

Storage Precautions	Store tightly closed in a dry and cool place. Exclude sources of heat, sparks and open flame. Keep away from oxidising agents and strongly alkaline and strongly acidic materials. Store between 5-35°C.
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Suitable Packaging	No additional data available
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### 7:3 – Specific end use (s)

End Uses	No additional data available
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## **08. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### 8:1 – Control parameters

Components with workplace control parameters	<p><b>DNEL/DMEL (Workers)</b></p> <p>Long-term - systemic effects, dermal      ca 25,2 mg/kg bodyweight/day</p> <p>Long-term - systemic effects, inhalation    ca 177,8 mg/m<sup>3</sup></p> <p><b>DNEL/DMEL (General population)</b></p> <p>Long-term - systemic effects,oral            ca 26,6 mg/kg bodyweight/day</p> <p>Long-term - systemic effects, dermal        ca 12,61 mg/kg bodyweight/day</p> <p>Long-term - local effects, inhalation        ca 43,84 mg/m<sup>3</sup></p>
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### 8:2 – Exposure controls

Protective Equipment	
Process conditions	No additional data available
Engineering Measures	No additional data available
Respiratory Equipment	Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.
Hand Protection	Wear suitable gloves
Eye Protection	In case of risky circumstances: Safety glasses or face shield.
Other Protection	No additional data available
Hygiene Measures	No additional data available
Personal protection	No additional data available
Skin protection	Wear suitable protective clothing.
Environmental exposure controls	No additional data available

### **09. PHYSICAL AND CHEMICAL PROPERTIES**

#### 9:1 - Information on basic physical and chemical properties.

Appearance	Liquid
Colour	Colourless
Odour	Odourless
Relative Density	ca 0.94 (20°C) gr/cm <sup>3</sup>
Flash Point (°C)	ca 250°C
Viscosity, dynamic	27-33 mPa.s (20°C)
Melting Point (°C)	ca -10°C
Boiling Point (°C)	>300

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Flammability (Solid, gas)	ca 425°C
Vapour Pressure	<1 hPa (20°C)
Solubility in Water @20°C	Insoluble in water. Water:<0.001 g/l
Auto-ignition temperature (°C)	No additional data available.
<b>9:2 - Other information</b>	
Other Information	No additional data available.

### **10. STABILITY AND REACTIVITY**

<b>10:1- Reactivity</b>	
Reactivity	Reacts with: Oxidising compounds and reducing agents.
<b>10:2 - Chemical stability</b>	
Stability	Chemically stable under the recommended handling and storage conditions
<b>10:3 - Possibility of hazardous reactions</b>	
Possible hazardous reactions	No dangerous reactions known under normal conditions of use.
<b>10:4 - Conditions to avoid</b>	
Conditions to Avoid	No naked flames, sparks, and do not smoke.
<b>10:5 – Incompatible materials</b>	
Incompatible materials	Keep away from oxidising agents and strongly alkaline and strongly acidic materials.
<b>10:6 - Hazardous Decomposition Products</b>	
Hazardous Decomposition Products	On burning: release of carbon monoxide- carbon dioxide. Decomposes on exposure to temperature rise: release of toxic/corrosive/combustible gases/vapours acrolein.

### **11. TOXOLOGICAL INFORMATION**

<b>11:1 Information on toxicological effects</b>
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Acute Toxicity	Not Classified LD50 oral rat >5000 mg/kg LD dermal rat >2000 mg/kg LC50 inhalation rat (ppm) >1.86 ppm
Skin corrosion / irritation	Not Classified (Lack of Data)
Serious eye damage / irritation	Not Classified (Lack of Data)
Respiratory or skin sensitisation	Not Classified (Lack of Data)
Ingestion	Not Classified (Lack of Data)
Germ Cell Mutagenicity	Not Classified (Lack of Data)
Carcinogenicity	Not Classified (Lack of Data)
Reproductive toxicity	Not Classified (Lack of Data)
STOT-single exposure	Not Classified (Lack of Data)
STOT-repeated exposure	Not Classified (Lack of Data)
Aspiration hazard	Not Classified (Lack of Data)
Photo-toxicity	Not Classified (Lack of Data)
Other Information	Not Classified (Lack of Data)

### **12. ECOLOGICAL INFORMATION**

12:1- Toxicity	
Ecotoxicity	LC50 Fishes 1 >100mg/l (48h) EC50 Daphnia 1 >100mg/l daphnia EC50 other aquatic organisms 1 >100mg/l Pseudomonas Putida (16h) LC50 other aquatic organisms 2 >0.45mg/l algae
12:2 - Persistence & degradability	

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Persistence & degradability	>90% Readily biodegradable
12:3 - Bioaccumulative Potential	
Bioaccumulative Potential	Low >3 (23°C)
12:4 – Mobility in soil	
Mobility	No additional data available
12:5 – Results of PBT and vPvB assessment	
PBT Assessment Results	No additional data available
12:6 Other adverse effects	
Precautions	No additional data available

### **13. DISPOSAL CONSIDERATIONS**

13:1 Waste treatment methods	
Disposal Methods	Avoid discharge into the environment. Collect all waste in suitable and labelled containers and dispose of according to local legislation.

### **14. TRANSPORT INFORMATION**

Warning Icon	Not applicable
14:1 – UN Number	
UN No Road – ADR/RID/ADN	No dangerous goods in sense of transport regulations
UN No Sea- IMDG	No dangerous goods in sense of transport regulations
UN No Air – ICAO	No dangerous goods in sense of transport regulations
14:2 – UN proper shipping name	

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Road – ADR/RID/ADN	Not applicable
Sea- IMDG	Not applicable
Air - ICAO	Not applicable
<b>14:3 – Transport Hazard class (es)</b>	
Road – ADR/RID/ADN	Not applicable
Sea- IMDG	Not applicable
Air- ICAO	Not applicable
<b>14:4 - Packaging group</b>	
Road – ADR/RID/ADN	Not applicable
Sea- IMDG	Not applicable
Air - ICAO	Not applicable
<b>14:5 – Environmental hazard</b>	
Environmentally hazardous substance/ marine pollutant.	No supplementary information available
<b>14:6 - Special precautions for user</b>	
Precautions	No supplementary information available
<b>14:7 – Transport in bulk according to Annex II of MARPOL 73/79 and the IBC code</b>	
	No supplementary information available

### **15. REGULATORY INFORMATION**

**15:1 – Safety, health and environmental regulations/ legislation specific for the substance or mixture.**

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EU Directives	Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 <sup>th</sup> Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation Council Regulation (EEC) No793/93 and Commission Regulation (EC) No1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716).
Approved Code of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations
Guidance Notes	Workplace Exposure Limits EH40. CHIP for everyone HSG 108.
<b>15:2 Chemical Safety assessment</b>	
Assessment information	A chemical assessment for this product has not been carried out.

### **16. OTHER INFORMATION**

Revision Date	20.07.2016
Rev No/Repl, SDS Generated	6
Change Description	Updated to new MSDS format
Changes made by	K Tatton
Review Date	20.07.2018
Risk Phrases in Full	None
Hazard Statements in Full	None

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Other Information

None

**DISCLAIMER:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.