

AKÖMA™

FROM THE HEART

MATERIAL SAFETY DATA SHEET

1 --- Identification of Product and Supplier

Product Name: Fractionated Coconut Oil Food Grade
INCI Name: Caprylic/capric triglyceride
Synonyms & Trade Names: Fractionated Coconut Oil Ester 610
CAS-No: 73398-61-5
EC NO.: 277-452-2
EINECS NO.: 277-452-2

Relative identified uses of the substance or mixture and uses advised against: Industrial, cosmetic

Supplier: Akoma International (UK) LTD
Unit 9A Sawley Park
Nottingham Road
Derby
DE21 6AS
Tel: +44 (0) 1332 613 967

Emergency Contact: Mr. Wynn Mensah
– Tel: 01332 613 967

2 --- Hazards Identification:

Classification of the substance or mixture

Not classified.

Classification (EU1272/2008)

Not classified.

Label Elements

Label in accordance with Regulation (EC) No 1272/2008.

No labelling applicable as this product is not classified as hazardous.

Signal Word	None
Contains	None
Hazard Statements	None
Precautionary Statements	None

Supplementary Precautionary Statements	None
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Other Hazards PBT or vPvB according to Annex XIII	The substance does not meet the PBT or vPvB criteria of REACH regulation, annexe XIII
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Adverse physio-chemical properties	No additional data
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Adverse effects on human health	No additional data
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3 --- Composition of Ingredients: -

Mixtures

100% Glycerides, mixed decanoyl and octanoyl

CAS: 73398-61-5 EC: 277-452-2

Classification: Not classified as hazardous

4 --- First aid measures:

Description of First Aid Measures

Inhalation	Remove to fresh air immediately, do not induce vomiting. Seek medical attention.
Ingestion	Do not induce vomiting. Rinse mouth. May result in aspiration into the lungs, causing chemical pneumonia. Immediately consult a doctor/medical service.

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Fractionated Coconut Oil Food Grade - MSDS

Skin Contact Wash skin with soap and water. If irritation occurs, seek medical attention.
Eye Contact Rinse with water immediately for a minimum of 15 minutes. Seek medical attention.

Most important symptoms & effects (Acute & Delayed)

None.

Indication of any immediate medical attention or special treatment needed

Treat symptomatically.

5 --- Fire --- Fighting measures:

Extinguishing material Foam, carbon dioxide or dry chemical powder.

Special hazards arising from the substance Or mixture

This product may produce oxides of carbon in the event of fire.

Advice for fire-fighters

Wear self-contained breathing equipment if in poorly ventilated area. Avoid using water streams to extinguish fires. Do not allow firefighting water to enter the environment.

6 --- Accidental release measures:

Personal precautions, protective equipment and emergency procedures

No open flames, no potential sources of ignition. Wear suitable protective clothes.

Environmental precautions

Avoid environmental contamination by using suitable containers to collect any waste or spillage.

Methods & material for containment and cleaning up

Always dispose of this product in accordance with local and national regulations. Contain spillage with sand. Do not discharge into drains or bodies of water.

References to other sections

No additional data

7 --- Handling and storage:

Precautions for safe-handling Do not eat, drink or smoke whilst handling this product. Use appropriate equipment when handling drums or heavy packages.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated place. Keep away from direct sunlight.
Do not store in temperatures above 35°C.

Specific end use(s) No additional data

8 --- Exposure controls and personal protection:

Control Parameters

DNEL/DMEL (WORKERS)

Long-term – systematic effects, dermal – ca 25.2 mg/kg bodyweight/day inhalation – ca 177.8 mg/m
(to the power of three)

DNEL/DMEL (GENERAL POLLUTIONS)

Long-term – systematic effects, oral – ca 26.6 mg/kg bodyweight/day dermal – ca 12.61 mg/kg
bodyweight/day

Local effects, inhalation – ca 43.84 mg/m (to the power of three)

Exposure Controls

Protective Equipment



Process Conditions

No additional data

Engineering Measures

No additional data

Respiratory Equipment

Where exposure through inhalation may occur, the use of approved respiratory equipment is recommended.

Hand Protection

Wear suitable protective gloves.

Eye Protection

Wear suitable safety glasses or face shield.

Other Protection

No additional data

Hygiene Measures

Good hygiene practices are always recommended especially when handling chemicals, oils or similar substances.

Personal Protection

No additional data

Skin Protection

Wear suitable protective clothing.

Environmental Exposure Controls

Do not allow this product to enter bodies of water or drains. Avoid spillage.

9 --- Physical data and chemical properties:

Physical & Chemical Properties

Appearance	Liquid
Colour	Colourless - yellow
Odour	No additional data
Relative Density	0.94 – 0.95 (20°C) g/cm (to the power of three)
Flash Point (°C)	250°C
Refractive Index	No additional data
Melting Point (°C)	No additional data
Boiling Point (°C)	>300°C
Vapour Pressure	< 1 hPa (20°C)
Solubility in Water @20°C	Insoluble
Auto-ignition temperature (°C)	No additional data

Other information No additional data

10 --- Stability and Reactivity:

Reactivity Should be stable when under recommended conditions, and avoid incompatible materials.

Chemical stability Stable under normal and recommended conditions.

Possibility of hazardous reactions None known, under normal conditions.

Conditions to avoid Open flames, potential sources of ignition, smoke. Temperatures of above 35°C and below 5°C.

Incompatible materials Acids, alkalis, oxidising agents, reducing agents

Hazardous decomposition products

In the event of burning, releases oxides of carbon. Decomposes on exposure to temperature rise: release of toxic/corrosive/combustible gases/vapours acrolein

11 --- Toxicological information:

Toxicological effects

Acute Toxicity Not Classified
LD50 oral rat >5000 mg/kg
LD dermal rat >2000 mg/kg
LC50 inhalation rat (ppm) >1.86 ppm

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Skin irritation	Not classified (not enough data)
Eye damage or irritation	Not classified (not enough data)
Respiratory or skin sensitivity	Not classified (not enough data)
Germ cell mutagenicity	Not classified (not enough data).
Carcinogenicity	Not classified (not enough data).
Reproductive toxicity	Not classified (not enough data).
STOT – single exposure	Not classified (not enough data).
STOT – repeated exposure	Not classified (not enough data).
Aspiration hazard	Not classified (not enough data).
Other information	Not classified (not enough data).

12 --- Ecological information:

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

Persistence & degradability Readily biodegradable.

Bio- accumulation potential Log Pow – 8.2
 Log Kow – 8.2 – 10.9

Mobility in soil No additional data.

Results of PBT & VPVB assessment

This substance does not meet the PBT or vPvB criteria of REACH regulation, annexe XIII

Other adverse effects No additional data.

13 --- Disposal considerations:

Waste treatment methods Always dispose of this product in accordance with local and national regulations.

14 --- Transport information:

Transport Information

UN No. Road	Not regulated for transport
UN No. SEA	Not regulated for transport
UN No. AIR	Not regulated for transport
UN proper shipping name	Not applicable
Transport hazard class(es)	Not applicable

Packing group Not applicable
Environmental hazards No additional data
Special precautions for user No additional data
Transport in bulk according to Annex II of MARPOL73/78 and the IBC code
No additional data

15 --- Regulatory information:

Safety, health and environmental regulations/legislation specific for the substance or mixture

No REACH annexe XVII restrictions
Ester 610 is not on the REACH candidate list
Ester 610 is not on the REACH Annexe XIV list

Chemical Safety Assessment No additional data.

16 --- Other information:

Hazard and/or Precautionary Statements in Full

None.

Other Information

No additional data

The information contained in this data sheet is based on our actual knowledge concerning the mentioned product at the issuing date of the sheet. The information is provided sincerely. The users of the product are advised of the potential risks, should the product be used for other uses than the ones it is designed for. This data sheet does not exempt the user to know and to apply the legal texts ruling his activity. The user will take solely under his own responsibility the precautions linked to the use he makes of the product.