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MATERIAL SAFETY DATA SHEET

01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier					
Product Name		Fractionated Coconut Food Grade			WHC1151
Biological Definition		-			
INCI Name		Caprylic/Capric Triglyceride			
Synonyms & Trade Names		-			
CAS-No	73398-61-5	EC No.	277-452-2	EINECS No.	277-452-2
1.2 Relative identified uses of the substance or mixture and uses advised against					
Industrial, cosmetic					
1.3 Details of the supplier of the safety data sheet					
1.4 Emergency Tel. No.					

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
Not classified.	
Classification (EC 1272/2008)	
Not classified.	
2.2 Label Elements	
Label in accordance with (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.	
2.3 Other Hazards	

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PBT or vPvB according to Annex XIII	The substance does not meet the PBT or vPvB criteria of REACH regulation, annexe XIII
Adverse physio-chemical properties	No additional data
Adverse effects on human health	No additional data

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures
<u>100% Glycerides, mixed decanoyl and octanoyl</u> CAS: 73398-61-5 EC:277-452-2 Classification: Not classified as hazardous

04. FIRST AID MEASURES

4.1 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.
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.
4.2 Most important symptoms and effects, both acute and delayed	
None.	
4.3 Indication of any immediate medical attention and special treatment needed	
Treat symptomatically.	

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media
Foam, carbon dioxide or dry chemical powder.
5.2 Special hazards arising from the product
This product may produce oxides of carbon in the event of fire.
5.3 Advice for firefighters
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.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
No open flames, no potential sources of ignition. Wear suitable protective clothes.
6.2 Environmental Precautions
Avoid environmental contamination by using suitable containers to collect any waste or spillage.
6.3 Methods and 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.

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6.4 Reference to other sections

No additional data

07. HANDLING AND STORAGE

7.1 Precautions for safe handling

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

7.2 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.

7.3 Specific end use(s)

No additional data

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

DNEL/DMEL (WORKERS)

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

inhalation – ca 177.8 mg/m

DNEL/DMEL (GENERAL POLUATIONS)

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

dermal – ca 12.61 mg/kg

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

8.2 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.

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09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and 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
9.2 Other information	
No additional data	

10. STABILITY AND REACTIVITY

10.1 Reactivity	
Should be stable when under recommended conditions, and avoid incompatible materials.	
10.2 Chemical stability	
Stable under normal and recommended conditions.	
10.3 Possible hazardous reactions	
None known, under normal conditions.	
10.4 Conditions to Avoid	
Open flames, potential sources of ignition, smoke. Temperatures of above 35°C and below 5°C.	
10.5 Incompatible materials	
Acids, alkalis, oxidising agents, reducing agents	
10.6 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. TOXOLOGICAL INFORMATION

11.1 Information on 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
Skin corrosion / irritation	Not classified (not enough data)
Serious eye damage / irritation	Not classified (not enough data)
Respiratory or skin sensitisation	Not classified (not enough data)
Germ Cell Mutagenicity	Not classified (not enough data)

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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)
Photo-toxicity	Not classified (not enough data)
Other Information	Not classified (not enough 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
Readily biodegradable
12.3 Bioaccumulation Potential
Log Pow – 8.2 Log Kow – 8.2 – 10.9
12.4 Mobility in soil
No additional data
12.5 Results of PBT and vPvB Assessment
This substance does not meet the PBT or vPvB criteria of REACH regulation, annexe XIII
12.6 Other adverse effects
No additional data

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

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

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

15. REGULATORY INFORMATION

15.1 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
15.2 Chemical safety assessment
No additional data

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	None.
Other Information	No additional data
Revision Date	20/05/2020
Rev No	9

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