



Coconut Fractionated

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 10/05/2011

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Version: 2.7

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Substance
Name : Coconut Fractionated
Chemical name : Glycerides, mixed decanoyl and octanoyl
EC no : 277-452-2
CAS No : 73398-61-5
REACH registration No : 01-2119492306-35
Synonyms : Fractionated Coconut Oil

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category : Industrial use, Cosmetic use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Naturally Balmy
30 Southbourne Road, Bournemouth, BH6 5AD, 01202 567046

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)
Israel	Israel Poison Information Center Rambam Health Care Campus	6 Ha'Aliya Street 31096 Haifa	+972 4 854 1900
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111
United Kingdom	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital	Penarth CF64 2XX Cardiff	0344 892 0111
United Kingdom	National Poisons Information Service Edinburgh Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0344 892 0111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

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2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substance

Chemical name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Glycerides, mixed decanoyl and octanoyl	(CAS No) 73398-61-5 (EC no) 277-452-2 (REACH-no) 01-2119492306-35	100	Not classified

Full text of R- and H-statements: see section 16

3.2. Mixture

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Remove immediately contaminated clothing.
First-aid measures after inhalation : Fresh air, rest. Never attempt to induce vomiting : risk of inhalation. Call a doctor.
First-aid measures after skin contact : Wash skin with plenty of water and soap. If necessary seek medical advice.
First-aid measures after eye contact : Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Obtain emergency medical attention.
First-aid measures after ingestion : Do not induce vomiting. Rinse mouth. May result in aspiration into the lungs, causing chemical pneumonia. Immediately consult a doctor/medical service.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

Treatment should be in general symptomatic to relieve any effects. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : carbon dioxide (CO₂), dry chemical powder, foam.
Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard : In case of fire it can release. carbon oxides (CO and CO₂).
Reactivity : Reacts with : oxidising compounds and reducing agents.

5.3. Advice for firefighters

Protection during firefighting : Use a self-contained breathing apparatus and also a protective suit.
Other information : Avoid (reject) fire-fighting water to enter environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : No naked flames, sparks, and do not smoke.

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing.
Emergency procedures : Mark out the contaminated area with signs and prevent access to unauthorized personnel. Spill area may be slippery.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Use appropriate container to avoid environmental contamination.

6.3. Methods and material for containment and cleaning up

For containment : Prevent spillage from spreading by using sand or earth. Dike and contain spill.
Methods for cleaning up : Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite.
Other information : Not in groundwater, surfacewater or sewerage. Notify authorities if product enters sewers or public waters.

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6.4. Reference to other sections

Reference to other sections (8, 13).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Smoking, eating and drinking should be prohibited in areas of storage and use. Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store tightly closed in a dry and cool place. Exclude sources of heat, sparks and open flame.
Incompatible products : Keep away from oxidising agents and strongly alkaline and strongly acidic materials.
Storage temperature : 5 - 35 °C

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ESTER 610 (73398-61-5)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	ca 25,2 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	ca 177,8 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	ca 26,6 mg/kg bodyweight/day
Long-term - systemic effects, dermal	ca 12,61 mg/kg bodyweight/day
Long-term - local effects, inhalation	ca 43,84 mg/m ³

PNEC (additional information) : Contains no substances with occupational exposure limits.

8.2. Exposure controls

Hand protection : Wear suitable gloves.
Eye protection : In case of risky circumstances: safety glasses or face shield.
Skin and body protection : Wear suitable protective clothing.
Respiratory protection : Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Colour : Colourless. Yellowish.
Odour : Odourless.
Odour threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available
Melting point : -10 °C
Freezing point : No data available
Boiling point : > 300 °C
Flash point : 250 °C
Auto-ignition temperature : No data available
Decomposition temperature : > 300 °C
Flammability (solid, gas) : 425 °C
Vapour pressure : < 1 hPa (20°C)
Relative vapour density at 20 °C : No data available
Relative density : 0,94 - 0,95 (20°C) g/cm³
Solubility : Soluble in : oil. Insoluble in water.
Water: < 1 mg/l (20°C)
Log Pow : 8,2
Log Kow : 8,2 - 10,9
Viscosity, kinematic : No data available
Viscosity, dynamic : 29 mPa.s (20°C)
Explosive properties : No data available
Oxidising properties : No data available

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Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with : oxidising compounds and reducing agents.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

No naked flames, sparks, and do not smoke.

10.5. Incompatible materials

Keep away from oxidising agents and strongly alkaline and strongly acidic materials.

10.6. 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.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

ESTER 610 (73398-61-5)	
LD50 oral rat	> 5000 mg/kg bw/day
LD50 dermal rat	> 2000 mg/kg bw/day
LC50 inhalation rat (mg/l)	> 1,86 mg/l

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
Non-irritant (rabbit)

Serious eye damage/irritation : Not classified
Non-irritant (rabbit eye)

Respiratory or skin sensitisation : Not classified (Non-sensitizing (Guinea pig))

Germ cell mutagenicity : Not classified
Ames-Test
Negative

Carcinogenicity : Not classified (Lack of data)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

Specific target organ toxicity (single exposure) : Not classified (Lack of data)

Specific target organ toxicity (repeated exposure) : Not classified (Lack of data)

ESTER 610 (73398-61-5)	
NOAEL (oral, rat, 90 days)	5000 mg/kg bodyweight/day (OECD408)

Aspiration hazard : Not classified (Lack of data)

SECTION 12: Ecological information

12.1. Toxicity

ESTER 610 (73398-61-5)	
LC50 fish 1	> 100 mg/l (48h)
EC50 Daphnia 1	> 100 mg/l daphnia (48h)

12.2. Persistence and degradability

ESTER 610 (73398-61-5)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

ESTER 610 (73398-61-5)	
Log Pow	8,2
Log Kow	8,2 - 10,9

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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

ESTER 610 (73398-61-5)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Additional information

: Avoid discharge to the environment.

Ecology - waste materials

: Collect all waste in suitable and labelled containers and dispose according to local legislation.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information

: No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Ester 610 is not on the REACH Candidate List

Ester 610 is not on the REACH Annex XIV List

15.1.2. National regulations

Water hazard class (WGK)

: nwg - Non-hazardous to water

Regulatory reference

: Listed on the United States TSCA (Toxic Substances Control Act) inventory. Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China). Listed on the Canadian DSL (Domestic Substances List). Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances). Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory. Listed on the AICS (Australian Inventory of Chemical Substances). Listed on the Korean ECL (Existing Chemicals List). Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances). Listed on NZIoC (New Zealand Inventory of Chemicals).

15.2. Chemical safety assessment

No additional information available

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SECTION 16: Other information

Indication of changes:

Identification of the substance/mixture and of the company/undertaking.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product