



IOI OLEOCHEMICALS

IOI ESTERCHEM (M) SDN BHD (253094-T)

(formerly known as Esterchem (M) Sdn Bhd)

2411, Lorong Perusahaan Satu, Prai Industrial Complex, 13600 Prai, Penang, Malaysia

Tel : 604-3768888 Fax : 604-3907252

SAFETY DATA SHEET

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Group of Chemicals:	Fatty Esters	SDS No.: SDS-QC-102
Commercial Name :	PALMSURF MCT 60/40	Date Issue : 30 June 2015
Common Name/Other Name:	Caprylic / Capric Triglyceride	Date Review: -

SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF SUPPLIER

Product name:

Caprylic / Capric Triglyceride

Trade name:

PALMSURF MCT 60/40, PALMSURF MCT 70/30

Recommended uses:

Food additive / cosmetic intermediate product

Supplier name:

IOI Esterchem (M) Sdn Bhd
(formerly known as Esterchem (M) Sdn Bhd)
2411 Lorong Perusahaan Satu,
Prai Industrial Complex.
13600. Prai.
Penang, Malaysia

Manufacturer address

3072 Lorong Perusahaan Satu,
Prai Industrial Complex.
13600. Prai.
Penang, Malaysia

Emergency contact:

IOI Esterchem (M) Sdn Bhd
(formerly known as Esterchem (M) Sdn Bhd)
+604 3768888

Contact Person:

- 1) Safety and Health Manager / Officer
- 2) Quality Control Manager / Chemist

SECTION 2. HAZARDS IDENTIFICATION

No special hazards have to be mentioned.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

General chemical description:

Caprylic/Capric Triglyceride



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CAS-number:
73398-61-5

EINECS- number:
277-452-2

SECTION 4. FIRST-AID MEASURES

When inhaled:

Ensure supply of fresh air.

When in contact with skin:

When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.

When in contact with eyes:

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

When ingested:

Supply with medical care. Rinse out mouth and give plenty of water to drink.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable fire-fighting agents:

Foam. Dry powder. Carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet.

Specific hazards in the event of fire:

In the event of fire the following can be released: Carbon monoxide (CO).

Protection of fire-fighters (use of protective equipment, etc.):

Use self-contained breathing apparatus.

SECTION 6. ACCIDENT RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Forms slippery surfaces with water. High risk of slipping due to leakage/spillage of product.

Environmental precautions:



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Do not discharge into the drains/ surface waters/ groundwater. Prevent spread over a wide area (e.g. by containment or oil barriers).

Methods and materials for containment and cleaning up:

Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with the regulations.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:

No special measures necessary if used correctly.

Conditions for safe storage, including any incompatibilities:

Keep away from sources of ignition. Do not store together with oxidizing agents. Keep container tightly closed. Keep container in a well-ventilated place.

SECTION 8. EXPOSURE CONTROLS /PERSONAL PROTECTION

Control parameters:

No data

Appropriate engineering controls:

Not applicable.

Individual protection measures, such as personal protective equipment (PPE):

Hand protection : Butyl rubber, >120 min (EN 374)
Eye protection : Avoid contact with eyes.
Body protection : Not applicable.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Odour	Characteristic.
Odour threshold	Not available
pH	Not determined.
Melting point / freezing point	-28°C
Initial boiling point and boiling range	Not determined
Flash point (Cleveland open cup)	75°C
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Upper/lower flammability or	Not applicable



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Explosive limits	Not applicable
Vapour pressure	3 mbar at 30°C
Vapour density	Not applicable
Solubility	Virtually insoluble.
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not applicable
Viscosity@ 20 °C	25-33 mPas (20°C)
Density @ 20 °C	0.93-0.96
Relative molecular mass	Not available

SECTION 10. STABILITY AND REACTIVITY

Reactivity:

No data

Chemical stability:

Reactions with strong oxidizing agents.

Possibility of hazardous reactions:

Reactions with strong oxidizing agents.

Conditions to avoid:

Incompatible materials, strong oxidants.

Incompatible materials:

Strong oxidizing agents and acids, explosives.

Hazardous decomposition products:

No hazardous decomposition products known.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Not determined.

Skin corrosion/irritation:

Not determined.

Serious eye damage/irritation:

Not determined.



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Respiratory or skin sensitization:

Not determinated.

Germ cell mutagenicity:

Not determinated.

Carcinogenicity:

Not determinated.

Reproductive toxicity:

Not determinated.

STOST-single / repeated exposure:

Not determinated.

Aspiration hazard:

Not determinated.

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Toxicity:

Acute fish toxicity: LC50 >100mg product /l

Acute bacteria toxicity: EC 50>100mg/l

Persistence and degradability:

The product is biodegradable.

Bioaccumulative potential:

Not determinated.

Mobility in soil:

Not determinated.

Other adverse effect:

Not determinated.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal method:

For recycling, consult manufacturer. Coordinate disposal with the authorities if necessary.



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SECTION 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

SECTION 15. REGULATORY INFORMATION

Classification and labelling according to GHS:

None

Classification and labelling according to EC:

None

SECTION 16. OTHER INFORMATION

Always work safely around open hatches on bulk tanks. The low density makes flotation difficult for immersed person.

Disclaimer

This Safety Data Sheet does not constitute any warranty or guarantee as to the quality, properties, condition or otherwise of the product. It has been prepared from the best knowledge available to us and we shall not be liable for any insufficiency or inaccuracy in such information in any case whatsoever.