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Material Safety Data Sheet

Group of Chemicals: TRIGLYCERIDES
Commercial Name: PALM OIL / PALM KERNEL OIL
Our Product: PALM 3

Physical Properties

Melting Point, deg. C	26.0 –65.00
Density, g / ml at 25 deg. C	0.90 – 0.85
Solubility in water, g / 100 ms at 20 deg. C	Insoluble
Relative molecular mass	222 – 271
Heat of fusion, kJ / kg	95 – 124
Saponification value	196 – 246

Chemical Name: Mono, Di, Tri-glycerides

Gross Formula: R1 – CO2 – CH2

R2 – CO2- CH

R3 – CO2 – CH2

Important Characteristics

- Semi solid below 30 deg C
- Clean Liquid above 65 deg C
- Creamy colour when semi-solid and bland
- Not corrosive and a little irritation to eyes and skin
- Edible and biodegradable
- Low toxicity and not considered hazardous to human beings

Hazards / Prevention / First Aid

Fire

- Combustible high temperatures and in the presence of a flame

- Keep away from open flame
- Use dry powder, foam, carbon tetrachloride, carbon dioxide for extinguishing

Eyes

- Redness
- Use face shield
- Flush with water, take to a doctor if necessary

Spillage

- Collect liquid leakage in sealable containers, soak up with sand or other inert absorbent and remove to safe place. Wash site with sodium Bicarbonate or Soda ash. Wipe to clean
- Can also allow spillage to solidify, then shovel into containers and clean up area immediately

Handling and Storage

- To use gloves and wear goggles when handling
- Keep in a cool and dry place, avoid extreme heat
- Always work safely around open hatches on bulk tank. The low density makes floatation difficult for an immersed person.

Notes

- Product readily biodegradable