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## Material Safety Data Sheet

Group of Chemicals: TRIGLYCERIDES  
Commercial Name: PALM OIL / PALM KERNEL OIL  
*Our Product:* PALM 1

### 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