

DO YOU KNOW THAT YOU CAN BRING THE OIL PALM PLANTATION INTO YOUR HOME?

Oleochemical and derivatives can be formulated with other ingredients to form a consumer or household products that we used everyday in our house



Specialized esters:

- Isopropyl myristate
- Isopropyl palmitate
- Glyceryl monostearate
- Glyceryl tristearate
- Diethyleneglycol stearate
- Trimethylpropane ester (TMP ester)
- Pentaerythritol ester (PEE ester)
- Medium chain triglyceride oil

Surfactant

(Detergent, dishwash, shampoo, Fabric softeners and baby soap) :

- **Nonionic:** fatty alcohol ethoxylate, glucose ester Sucrose ester and metil ester ethoxylates
- **Anionic:** Methyl ester sulphonate, sodium fatty acid carboxylate (soap),
- **Cationic:** Quaternary ammonium compound
- **Amphoteric:** Cocoamido betaine
- **Biosurfactant:** Sophorolipid, Rhamnolipid

Glycerol derivatives:

- USP grade glycerol
- Polyglycerol
- Polyglycerol ester
- Glyceryl carbonate
- Glyceryl tert-butyl ether

Poliol:

- **Foam polyurethane:**
Rigid, Flexible and viscoelastic polyurethane
- **Polyurethane Dispersion**
- **Polyurethane sheet:**
cushion cover, wallet and handbag

Agrochemical:

- Pesticide, herbicides, insecticide



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