# Cheatography

# Chemicals for Consumers Cheat Sheet by BryanOoi via cheatography.com/64719/cs/16309/

### Soap

Soap- water soluble sodium or potassium salts of fatty acids

+Saponification

Fats + sodium hydroxide -> soap + glycerol

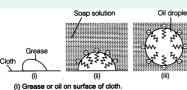
## Detergen

Detergent-non-soap cleansing agent (sodium salt of the organic acid known as sulphonic acid

a)natural detergent b)synthetic detergent

Functional group=(SO3-) / (0-SO3-)

# Cleansing action of soap



(ii) Stearate ions arranged around the grease or oil dropi (iii) Stearate ions arranged around the grease or oil dropi (iii) Grease or oil dropiet surrounded by stearate ions (ionic micelle formed).

# Food Additives

#### Preservative

sodium benzoate-prevent growth of bct & yeast sodium nitrite-longer shelf-life Antioxidant ascorbic acid -prevent damage due to oxidation ascorbyl palmitate -prevent damage due to oxidation vitamin E-prevent damage due to oxidation Flavouring agents monosodium glutamate(MSG)-enhance taste of food Aspartame- 200 X sweetness (OK in diabetes's patient food) Saccharin-artificial sweetener(increase 400 X sweetness) Stabiliser\* /Thickener' gelatin', acacia gum, lecithin\* starch',agar-agar ',pectin' **Colouring agents** tartrazine-normally added to soft drinks(orange) blue FCF-triphenyl compound (blue) Traditional medicine(DO NOT TRY!) Ginseng-roots-refresh, enhance body strength Aloe vera-juice from leaves-treat itchiness,wounds,burn

Mint-leaves-increase body temp, induce sweat

Cocain-anaesthetics

Garlic-corm-antibiotics-reduce stickiness of platelets

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