

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

Soar

Soap- water soluble sodium or potassium salts of fatty acids

+Saponification

Fats + sodium hydroxide -> soap + glycerol

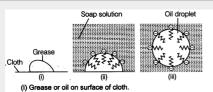
Detergen

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



Stease or oil on surface of cloth.
Stearate ions arranged around the grease or oil drople iii) Grease or oil droplet surrounded by stearate ions

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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