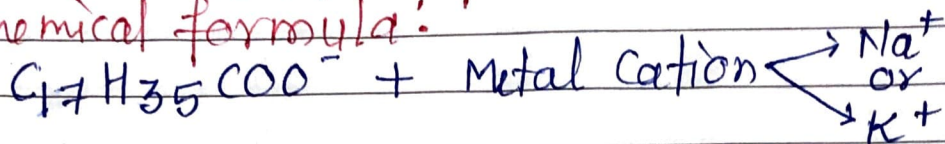
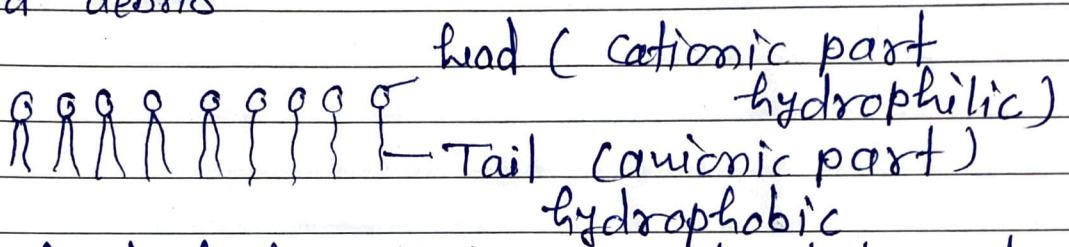


Liquid Soap

Chemical formula:



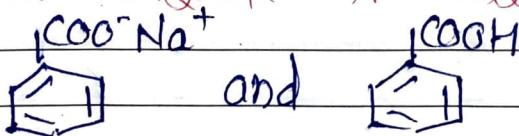
- final molecule is called as sodium or potassium stearate.
- Depending on the metal cation, soaps are either potassium salts or sodium salts arranged as long chain carboxylic acids.
- A soap molecule does two things - it bonds to water and debris ^{both}



- The head of the molecules is attracted and dissolves in water while the hydrocarbon tail is attracted to dirt and grease and repelled by water.
- Soap is also a surfactant - it reduces the surface tension of water

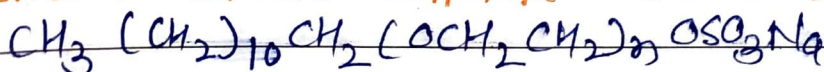
Chemicals in Liquid Soap

1. Sodium Benzoate and Benzoic acid!



Role preservative.

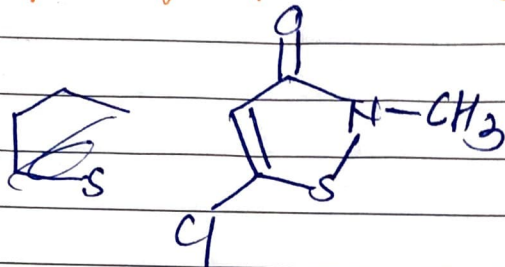
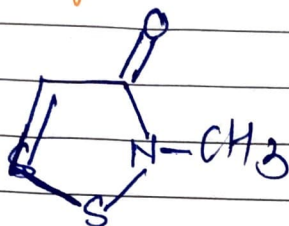
2. Sodium Laureth Sulphate: (SLES)



Anionic

- Also known as sodium dodecyl sulphate
- Role: surfactant and emulsifier.

3. Methylisothiazolinone and Methylchloroisothiazolinone



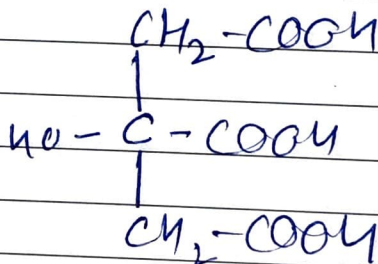
- Preservatives
- Powerful biocides.

4. Cocamidopropyl Betaine:

- Surfactant
- It helps water clean effectively.
- Act as thickening agent.

5. Fragrance:

6. pH adjuster: Citric acid



- NaCl

7. Dye: