

Q] What is a soft soap?

Ans: These are potassium salts of fatty acids.

Q] If soap has high alkali content it irritates skin. How can the amount of excess alkali be determined? What can be the source of excess alkali?

Ans : Acid-base titration can be used to determine the excess amount of alkali in soap. The excess alkali left after hydrolysis of oil can be the source of alkalinity in soap

Q] Explain why some times foaming is seen in river water near the place where sewage water is poured after treatment?

Ans] Detergents persist in water even after sewage treatment and cause foaming in river water.

Which category of the synthetic detergents is used in toothpaste?

Anionic detergent.

Hair shampoos belong to which class of synthetic detergent?

Cationic detergent.

Dishwashing soaps are synthetic detergents. What is their chemical nature?

Non-ionic detergents

Aspartame is unstable at cooking temperature, where would you suggest aspartame to be used for sweetening?

In cold foods and soft drinks.