

Name _____	Lab Partner _____
TA Name _____	Section _____ Date _____

Experiment 10 - Hydrolysis of Glycerol Tristearate: Preparation of Soap

Record the following data.

1. Amount of glycerol tristearate used _____ g, _____ mol
2. Amount of soap (sodium stearate) produced _____ g, _____ mol
3. Theoretical Yield of sodium stearate _____ mol, _____ g
4. Percentage Yield _____
5. Show your calculations.

6. Observations:

Soap in plain water _____

Soap in plain water plus magnesium chloride _____

Detergent in plain water _____

Detergent in plain water plus magnesium chloride _____