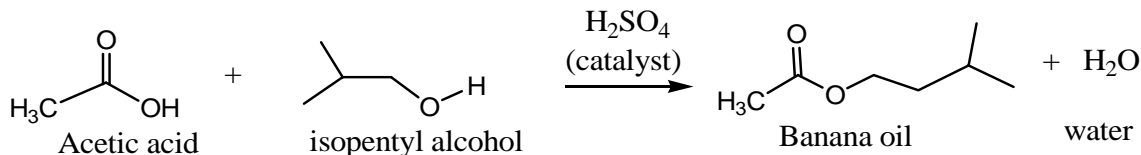


SAMPLE REAGENT TABLE FOR PREP PRELABS

(This is from exp 13B in you PLKE text)

Title: Synthesis of Banana oil

Reaction equation:



Reagent table:

Name	MW	mp	bp	Density	amt used/exp	moles used/exp	notes
Acetic acid	60		130C	1.1 g/mL	3.5 mL	0.064	Excess/solvent
Isopentyl alcohol	88		156 C	0.9 gmL	2.5 mL	0.025	Limiting reagent
Sulfuric acid	98		180C	1.9 g/mL	0.5 mL	0.09	Catalyst
Water	18		100C	1.0 g/mL	0.025 mL (expected)	0.025	By product
Banana oil	130		136C	0.9	3.25 g (expected)	0.025	product

Write procedure here.....

Notes about the reaction equation and reagent table

--Be sure that the reaction equation is balanced. Over the reaction arrow you normally state the solvent or catalyst (if used)

--You do not have to list compounds used as drying agents, solvents or reagents used in the purification process.

--In the reagent table list the boiling point (bp) if the compound is a liquid and the mp if a solid (for a liquid do not fill in the mp and for a solid do not fill in bp)

--List the density of liquids only

--The 'Amount used/expected' can be by weight (grams) or volume (mL).

--For amount used/expected for the products fill in the amount if the reaction were to give a 100% yield

--For the 'Notes' section list which compounds are: solvents, catalyst, unusually toxic and which compound is the limiting reagent.