

Chemical Name	Per Student	Per Class (24)	Location
20% Ethanol	---	3000 mL	HS 235C (F-2)
Cyclohexane	---	1000 mL	HS 235C (F-2)
Toluene	---	1000 mL	HS 235D (F-3)

Item Name	Per Student	Per Class (24)	Location
Steel Wool	---	----	HH – household products shelf
Digital Thermometers	----	24	In class, Ochem shelf #1
Glass beads	---	1 bottle	Ochem shelf #1
10 mL volumetric flasks	1	24	Stockroom drawer under fume hood / next to sink

Solution Preparation

20% Ethanol

Ethanol is located in the middle room.

Using 95% ethanol stock.

1 liter

$$\frac{20\% \text{ ethanol} \times 1000 \text{ mL}}{95\% \text{ ethanol stock}} = 211 \text{ mL ethanol} + 789 \text{ mL H}_2\text{O}$$