

CHEM 2423 Hazard Assessment

Experiment: Handout	TLC Separation of Green Leaf Pigments
Extra precautions to announce	none
Additional PPE requirements	none
Waste disposal procedures	Dispose of all chemicals in the CORROSIVE NON-HALOGENATED ORGANIC waste container.

Experiment 2	Separating the Components of "Panacetin"
Extra precautions to announce	Carefully explain about venting the separatory funnel.
Additional PPE requirements	Follow textbook recommendations.
Waste disposal procedures	Dispose of all chemicals in the CORROSIVE HALOGENATED ORGANIC waste container.

Experiment 3	Identifying the Components of "Panacetin"
Extra precautions to announce	none
Additional PPE requirements	Follow textbook recommendations.
Waste disposal procedures	Dispose of all chemicals in the CORROSIVE NON-HALOGENATED ORGANIC waste container.

Experiment: 6	Fractional Distillation: Separation of Petroleum Hydrocarbons
Extra precautions to announce	none
Additional PPE requirements	Follow textbook recommendations.
Waste disposal procedures	Dispose of all chemicals in the CORROSIVE NON-HALOGENATED ORGANIC waste container.

Experiment: 8	Boiling Point. Identification of a Petroleum Hydrocarbon
Extra precautions to announce	none
Additional PPE requirements	Follow textbook recommendations.
Waste disposal procedures	Dispose of all chemicals in the CORROSIVE NON-HALOGENATED ORGANIC waste container.

Experiment 9	Isolation and Isomerization of Lycopene from Tomato Paste
Extra precautions to announce	none
Additional PPE requirements	Follow textbook recommendations.
Waste disposal procedures	Dispose of all chemicals in the CORROSIVE HALOGENATED ORGANIC waste container.

Experiment 10	Identification of the Major Constituents of Clove Oils
Extra precautions to announce	none (suggestions?)
Additional PPE requirements	Follow textbook recommendations.
Waste disposal procedures	Dispose of liquid chemicals in the CORROSIVE HALOGENATED ORGANIC waste container. Dispose of solids in the SOLID waste container.

Experiment 23	Stereochemistry of the Addition of Bromine to <i>trans</i>-Cinnamic Acid
Extra precautions to announce	Bromine is dangerous. Pay attention to the safety notes for this lab.
Additional PPE requirements	Follow textbook recommendations.
Waste disposal procedures	Dispose of liquid chemicals in the CORROSIVE HALOGENATED ORGANIC waste container. Dispose of solids in the SOLID waste container.

Experiment: Minilab 16	Reactivities of Alkyl Halides in Nucleophilic Substitution Reactions
Extra precautions to announce	NaI/acetone is a lachrymator. Exercise caution when pouring and using this solution. Dispense this chemical from a hood.
Additional PPE requirements	Follow textbook recommendations.
Waste disposal procedures	Dispose of all chemicals in the CORROSIVE HALOGENATED ORGANIC waste container.

Experiment: Minilab 21	Free-Radical Bromination of Hydrocarbons
Extra precautions to announce	Pay attention to the safety notes for this lab. Dispense the bromine from the hood. Dispose of test tubes in the solid waste container – not the glass trash.
Additional PPE requirements	Follow textbook recommendations.
Waste disposal procedures	Dispose of all chemicals in the CORROSIVE HALOGENATED ORGANIC waste container. Dispose of test tubes in the solid waste container – not the glass trash.

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Experiment: Handout	Gas Chromatography
Extra precautions to announce	no running with syringes
Additional PPE requirements	none
Waste disposal procedures	Dispose of all chemicals in the CORROSIVE NON-HALOGENATED ORGANIC waste container.