

Safety Information Sheet for Making Biodiesel

- **Wear splash proof goggles and appropriate gloves** — Chemicals can splash into the eyes or chemical residue on the hands can be transferred into the eyes if proper precautions are not taken. Also, some chemicals can burn the skin if they come in contact with bare skin. Wear gloves that can withstand the corrosion of chemicals. If gloves rip, remove them, wash and dry your hands thoroughly, and get a new pair of gloves.
- **Always wash your hands before leaving the lab** — Chemical residues can remain on the skin. These residues can be transferred to other parts of your body and other objects that others, who may be more sensitive to various chemicals, may come in contact.
- **Never taste or touch chemicals** — Many chemicals are dangerous, even fatal. Even some chemicals that are not dangerous themselves may have been contaminated. Many chemicals can be absorbed through the skin or damage the skin and are, therefore, dangerous to touch.
- **Avoid inhaling fumes** — The gases that chemical reactions produce can be dangerous or fatal. Always work in a well ventilated area or in some applications, in a fume hood.
- **Always follow directions and never perform an unauthorized experiment** — Haphazardly combining chemicals can be dangerous or fatal. Do not do anything with chemicals without authorization and instruction from the teacher.
- **Never return unused chemicals to their container** — This prevents contamination. Secondary containers may have been previously used for another purpose and might have a residue from that purpose. If that residue returns to the original container it could adversely react and spoil the contents of the original container. All unused chemicals that have been taken from their original container should be properly disposed.
- **Dispose of chemicals properly** — Improper disposal of chemicals is illegal and dangerous. If not properly disposed of, chemicals can have a detrimental affect on health and/or the environment.
- **NOTE:** See Material Safety Data Sheets (MSDS) for specifics concerning swallowing, inhalation, contact, and disposal. An MSDS should be kept for each chemical in the laboratory.