

GILBERT FIRE DEPARTMENT BIODIESEL PRODUCTION IN A RESIDENTIAL OCCUPANCY

The Gilbert Fire Department requires registration to manufacture process or blend Bio Diesel fuel in an area zoned for residential use.

REGISTRATION REQUIREMENTS

Maximum allowable quantity for storage of class 1 (one) flammable liquids (methanol) shall not exceed 5 gallons in the structure or 10 gallons outside. The total aggregate amount allowed is 10 gallons.

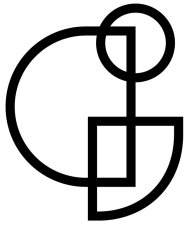
Quantities exceeding the maximum allowable amounts of 10 gallons will require an operational permit that is issued by the Gilbert Fire Department. All stipulations of the permit must be met and maintained.

Comply with all Town of Gilbert zoning, waste water and environmental safety requirements.

Most incidents related to the production of Bio Diesel are due to lack of education and inexperience. We recommend any one considering manufacturing Bio Diesel educate themselves on the risks involved and follow the recommended general precautions.

GENERAL PRECAUTIONS

1. Avoid production in a structure-Mixing of chemicals and production requires adequate ventilation and clearances from combustible materials and ignition sources such as luminaries, heaters, gas hot water heaters and flame producing devices.
 2. Obtain Material Safety Data Sheets for all chemicals- The M.S.D.S. will provide you with appropriate precautions for handling (personal protective equipment) and storage (compatibility of chemicals).
 3. Keep all containers labeled with the contents and closed when not in use.
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1. Keep all chemicals and bi-products secured and out of reach of children and animals.
 2. Never use a gas heating element in the production process.



3. Electrical wiring and equipment should comply with National Electric Code
4. The amperage of the wiring should not be less than the rated capacity of the appliance and exterior outlets should be G.F.I. protected.
5. Improper electrical connections can introduce an ignition.
6. Dispose of oily rags properly-Oily rags are susceptible to spontaneous combustion and should be stored in an approved UL listed container.
7. Dispose of all bi-products correctly-Stockpiling of bi-products can lead to a significant fire hazard. Contact Household Hazardous Waste @ 480-503-6446 for information on proper disposal.
8. Provide a 2A 10BC fire extinguisher in a conspicuous location near the production area.
9. Any Bio Diesel created at any residence shall be used only by the person or persons occupying the residence. No sale of the product is allowed.

For further information on use and safety visit:

thegreenbeat@yahoo.com

www.biodiesel.org

www.biodieselfoundation.org

www.allthingsbiodiesel.com