

Consumer Information and Safety Tips in Liquid Fuels



OUTLINE

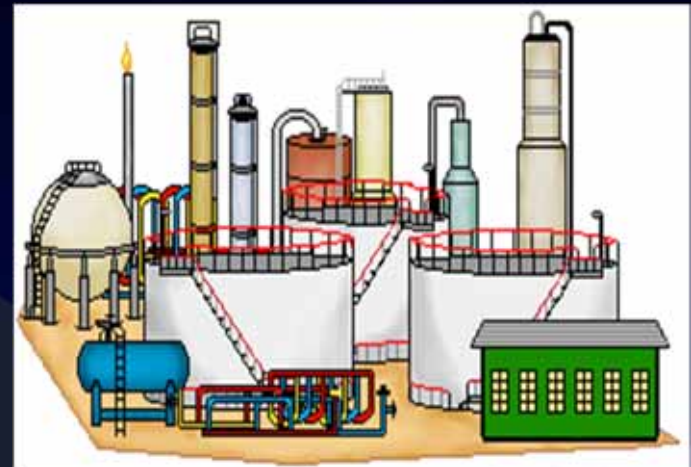
- Overview: Petroleum products
- Safety tips
- Consumer tips



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What is Petroleum?

- a naturally occurring, yellow-to-black liquid found in geological formations beneath the Earth's surface.
- commonly refined into various types of fuels.
- components of petroleum are separated using a technique called fractional distillation.



Petroleum Products

- LPG
- Gasoline
- Kerosene
- Jet Fuel
- Diesel
- Bunker Fuel
- Asphalt



What is Gasoline?

- Petroleum Derived-Liquid
- Used primarily in internal combustion engines
- Consists mostly of organic compounds (Hydrocarbons)



What is Gasoline?



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Types of Gasoline in the Philippines

Regular



Premium



Premium plus

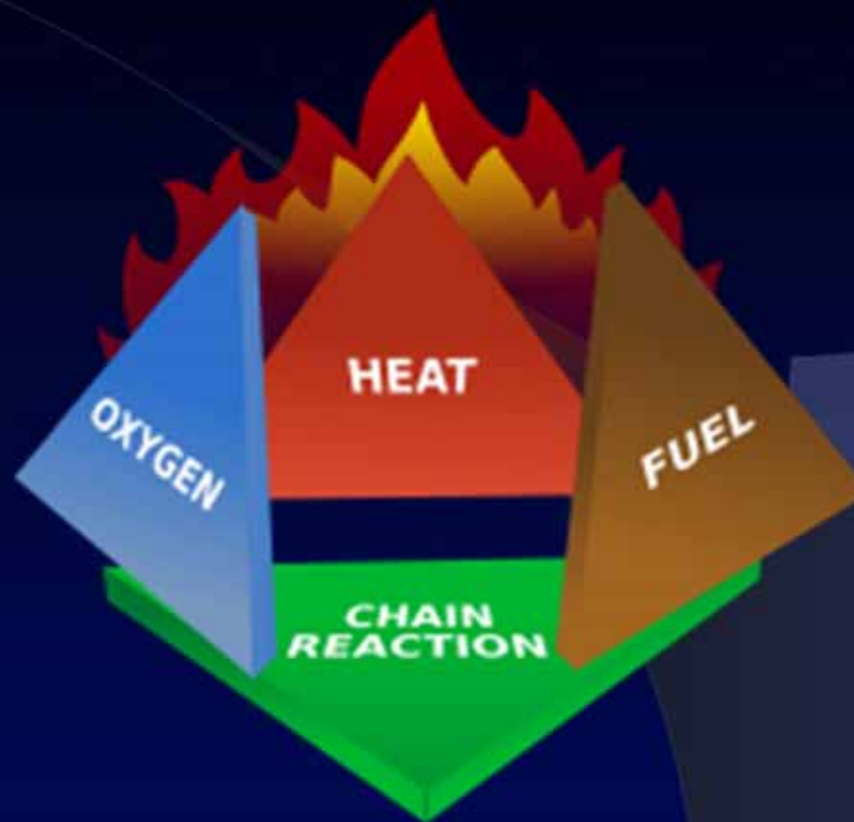


SAFETY TIPS



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Theory of Fire (Fire tetrahedron)



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Controlling Potential Fire and Explosion with Flammable Liquid is done through:

1. Transfer/Filling
2. Use
3. Safe Storage
4. Disposal



Safe Transfer/Filling

- Turn off the engine of the vehicle.
- Put your vehicle in park and/or set the emergency brake mode.
- **Never** smoke or operate any personal electronic devices during refueling.
- **Do not** get in and out of automobiles while fueling.
- Avoid unnecessary movements while refueling.



Safe Transfer/Filling

- **Avoid** transferring of liquid fuels from one container to another.
- **Do not** overfill your tank to avoid spillage. Report any spillage immediately to the retail outlet attendant.
- Use funnel for transferring liquid fuels.



Proper use

- Gasoline should only be used for its intended purpose – as a vehicle fuel.
- **Do not** mix liquid fuels with other materials/chemicals.
- Regularly check for leaks on your vehicle and containers.



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Safe Storage

- Store liquid fuels on appropriate container only. Keep the container tightly sealed and handle them gently to avoid spill.

Note: **Never** put fuels in an unlabeled container or a container that is not designed for storing liquid fuels.

- Place the container upright in a shaded, stable location.



Safe Storage

- Store in a well-ventilated area, away from children's reach, source of heat and ignition.
- Protect your containers from direct sunlight.
- **Do not** store liquid fuels for extended period of time.



Proper disposal

- Do not discard liquid fuels into the ground, into a sink, sewers or any waterways.
- Discard liquid fuels through hazardous waste collectors or coordinate with the local government authorities.



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Handling Fuel Spill

- Identify the source of spill or leak and stop it if possible.
- Small spills can be contained using dry absorbing agents such as sawdust or sand.



Handling Fuel Fire

- Use fire extinguisher to contain fire.
- Do not use water to fight fuel fire, using water may cause liquid fuel to disperse and make fire fighting more difficult.





Never Compromise

SAFETY.....

Anything Including What
May Seem

IMPOSSIBLE

Can Occur



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CONSUMER TIPS in Buying Liquid Fuels



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TIPS IN BUYING LIQUID FUELS

Shop around for the best quality, price and service.



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TIPS IN BUYING LIQUID FUELS

- Fast, thorough and clean service;
- Courteous forecourt attendant;
- Complete facilities;
- Personalized services;
- Honest employees;
- Good quality products;
- Computerized and modern facilities



TIPS IN BUYING LIQUID FUELS

Buy gasoline during the coolest time of day –early morning or late evening is best advised.



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TIPS IN BUYING LIQUID FUELS

Compare the price on the dispensing pump with the “Price Display Board” prominently displayed to ensure price match.



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TIPS IN BUYING LIQUID FUELS



Check the vehicle gas gauge before and after filling up to ensure that the new reading corresponds with the amount of gas purchased.



TIPS IN BUYING LIQUID FUELS



Fill up when your gas tank is either half-full or half-empty.



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TIPS IN BUYING LIQUID FUELS

- Make sure the pump dials are set to zero before you allow the gas attendant to start dispensing gas.
- Check to see that the price per liter remains the same throughout the pumping process.



TIPS IN BUYING LIQUID FUELS

Check your vehicle manual for octane rating recommendations. Do not buy more octane than you need.



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TIPS IN BUYING LIQUID FUELS

Always get official receipt when paying by cash or credit card. The receipt is your proof of purchase should any problems arise after your purchase.



TIPS ON HOW TO SAVE FUEL EFFICIENCY

- Avoid aggressive driving
- Observe the speed limit
- Remove excess weight
- Keep tires properly inflated



TIPS ON HOW TO SAVE FUEL EFFICIENCY

- Use air-conditioning wisely
- Avoid Idling
- Keep your car engine properly tuned
- Plan your route



DOE's Action



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Inspection in Retail Outlet



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Inspection in Retail Outlet (BOTE-BOTE)



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Product Testing



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Information, Education and Communication (IEC) Campaign



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Remember...

**A well-informed and
vigilant consumer is the
best-protected
consumer.**



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Thank you!!!

LIQUID FUEL SECTION
RETAIL MARKET MONITORING & SPECIAL
CONCERNS DIVISION



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