

Power alcohol Advantages and disadvantages, uses

Introduction

Power alcohol is combination of petrol and alcohol. It contains petrol and alcohol in the ratio of 4:1. Also in power alcohol benzene or ether are added.

Advantages of power alcohol

1. It is naturally obtained and ecofriendly.
2. It has ability to burn completely.
3. It acts as antifreeze for automobile radiators in lower temperature regions.
4. It has high octane number.
5. It also has ability to absorb moisture.
6. For power alcohol, air required for complete combustion is less.

Disadvantages of Power alcohol

1. It lowers the calorific value of petrol
2. Special arrangements required for starting
3. It may cause corrosion because it absorbs moisture.
4. Easily get oxidized to acid this results in corrosion.

Uses of Power alcohol

1. It is used in internal combustion engines as a fuel
2. It is also used as an additive in petrol.