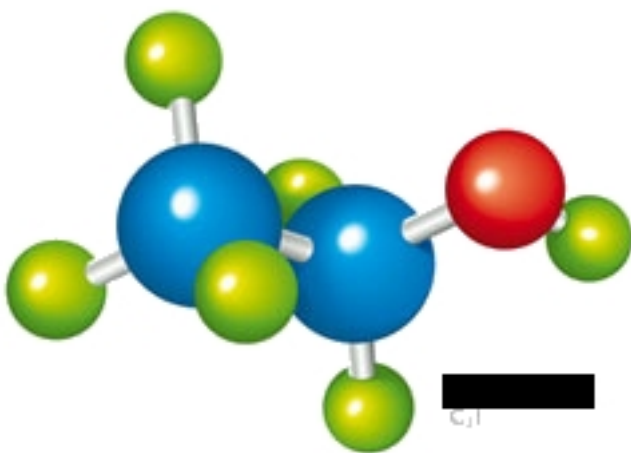


## What is ethanol?

### Ethanol in general

Ethanol, also known as ethyl alcohol is a flammable and colorless chemical compound. In common language it is also known simply as alcohol. Its molecular formula is variously represented as C<sub>2</sub>H<sub>5</sub>OH or EtOH.



### How ethanol is used?

Ethanol can be used as blends with normal gasoline. Typical mixture rates are as following:

- \* E5 – contains 5% ethanol, 95% gasoline
- \* E10 – contains 10% ethanol, 90% gasoline
- \* E85 – contains 85% ethanol, 15% gasoline (sold e.g. in Sweden and Germany)

E5 and E10 are compatible with most of modern cars and should not cause any issues when

used. E85 requires so called flexifuel cars to be used.

Using ethanol as fuel is beneficial because it decreases the fuel's cost, increases the fuel's octane rating, and decreases gasoline's harmful emissions.

### **Ethanol is a renewable fuel**

Ethanol production from biowaste, using various types of biodegradable waste helps reducing CO2 emissions dramatically.