

# What is oil?

## Virgin oil

Virgin oil comes **directly out of the ground**. Sometimes converted crude oil is also called virgin oil.



## Crude oil

Crude oil, also called **petroleum** can be used in many ways. The oil can be converted in fuel, but it is also the **raw material** for many products. The 16% not used for energy production is converted in materials, such as: pharmaceuticals, fertilizers and plastics.

## Gasoline

Gasoline is a **hydrocarbon** motor fuel refined from crude oil.

Gasoline is classified as a **Class I** flammable liquid. It has a **flash point** of -45°C.

Gasoline is also commonly referred to as **petrol**, which is REACH-certified.

## Fuel oil

Fuel oil is a fraction obtained from petroleum distillation. There are **6 categories** of fuel oil, according to **boiling point, composition and purpose**.



## Diesel

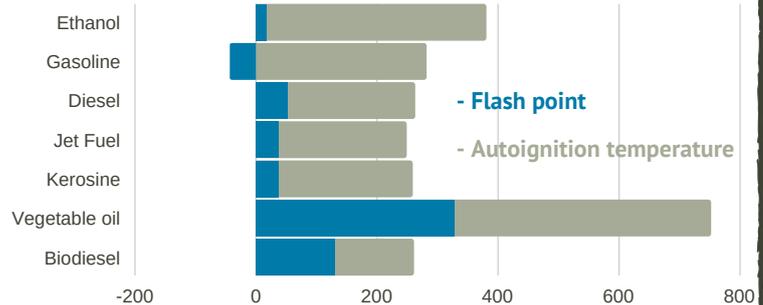
In Europe the use of diesel is generally restricted to **cars** (about 40%), **SUV's** (about 90%), and **trucks**. The Flash point of diesel is higher than 55°C, therefore diesel is not easily flammable.

- no. 1** Similar to kerosine
- no. 2** Diesel (road diesel) / heating oil
- no. 3** Distillate fuel oil
- no. 4** Blend distillate & residual fuel oil
- no. 5** Residual fuel oil / heavy fuel oil
- no. 6** Residual fuel oil / heavy fuel oil

## Flash point



The term used to identify the **minimum temperature** at which a liquid gives off vapor in sufficient concentration to form an **air-vapor mixture** at the surface of the liquid that can be **ignited** by a small ignition source.



## Waste4Me

Waste4me produces **crude oil** as feed for **crackers**, as a substitute for **virgin oil** from the ground.

Our **Pyrolysis** techniques can process all kinds of **waste** into **oils, energy** and **usable products**.

