



## About Flammability / Combustibility

**What Are Flammable and Combustible Liquids?** liquids that can burn.

Generally speaking, **flammable liquids** will ignite and burn easily at normal working temperatures.



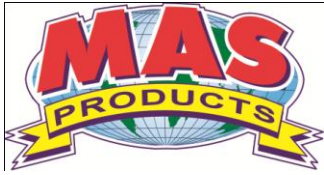
**Combustible liquids** have the ability to burn at temperatures above working temperatures.

### How are liquids classified?

The Workplace Hazardous Materials Information System (WHMIS) defines:

Flammable liquids as having a flashpoint below 100 ° F.

Combustible liquids as having a flashpoint of above 100 degrees F and below 200 ° F.



## More on Flammability / Combustibility



**What is the Flashpoint of a Liquid?** - the lowest temperature where the liquid gives off enough vapor to be ignited on the surface of the liquid.

**Do liquids Burn?** – no liquids do not burn but their vapor mixed with air will burn. This is why the flashpoint is so important to determining the safety of flammable and combustible liquids.

**Summary:** Acetone has a flashpoint of  $-4^{\circ}\text{F}$  Even at temperatures as low as  $-4^{\circ}\text{F}$  it gives off enough vapor to form a burnable mixture in air. This vapor can travel great distances and ignite with the flame traveling back to the source. Bio-Solv has a flashpoint of  $149^{\circ}\text{F}$  so it must be heated above that temperature before it will give off vapor that will ignite in air.



# Flashpoints of various substances

