## Atex Gas Groups

IIA

propane, butane,

kerosene

IIB

ethylene, hydrogen sulphide,

ethyl ether

Acetylene,

Carbon Disulphide,

Hydrogen

Gas groups are mainly divided into three main groups IIA, IIB and IIC.

The information above tells you which gases fit into which groups.

These groups have been made for Atex radios because different gases have different ignition energy that can make radios combust.

Different combination of gases can make the minimum ignition energy change which is why it is important to confirm the atmosphere on site to determine which group is required.

Group IIC is the most volatile group and gases in that group ignite quite easily. All radios manufactured for this group can be used in IIA and IIB environments but as the IIA environment is the least volatile you wouldn't be able to use IIA radios in IIB or IIC environments.

