

> Table 6

<b>GAS GROUPING</b>		
<b>Example of gases</b>	<b>IEC</b>	<b>North America (group)</b>
Hydrocarbons such as alkenes, including propane, benzenoids, alkenes, gasoline	IIA	D
Oxygen compounds such as carbon monoxide, alcohols and phenols, some aldehydes	IIA	D
ketones, esters	IIA	D
Halogens	IIA	D
Nitrogen compounds such as ethylene ammonia, amines and amides	IIA	D
Natural gas	IIB	C
Hydrocarbons such as ethylene propylene	IIB	C
Oxygen compounds such as ethyl ether, aldehydes hydrogen sulfide	IIB	C
Hydrogen Carbon disulfide	IIC	B
Acetylene (with special material limitations)	IIC	A
These are approximate correlations.		
<i>Ignition and combustion properties of gasses are classified to assist with the selection of hazardous area devices.</i>		