

The familiar combustible, liquid gas explosion limits

Gas name	Explosion limit (%)		Gas proportion (air=1)	Sparking point	toxicity	Permission concentration
	Lower limit	Upper limit				
Methane	5	15	0.55	537.8	asphyxiation	
ethane	3	12.5	1.406	515	asphyxiation	
propane	2.3	9.15	1.56	467.8	asphyxiation	1000ppm
butane	1.8	8.44	2		asphyxiation	
ethane	2.7	28.5			narcosis	
propylene	2.4	11			narcosis	
acetylene	1.5	82	0.906	305		
hydrogen	4.1	74.2	0.069	585	asphyxiation	
CO	12.5	75.6	0.967	608	toxicosis	50ppm
Natural gases	5	15	<1		asphyxiation	
LPG	3		>1		asphyxiation	
City gas	4	30	0.4		toxicosis	100ppm
gasoline	1.2	7.5	3.3	280	Asphyxiation& asphyxiation	
coal oil	0.7	5	4~5			
alcohol	3.3	19	1.58	392		1000ppm
ethanol	3.5	6.7	0.78	422		1mg/m
methyl alcohol	6.7	36	0.79	385		0.05mg/m
acetone	8.1	13	0.79			1000ppm