

Gas	Symbol	Explosive Range
Oxygen	O <sub>2</sub>	>12.1%
Methane	CH <sub>4</sub>	5-15%
Carbon Monoxide	CO	12.5-74.2%
Hydrogen	H <sub>2</sub>	4-74.2%
Hydrogen Sulfide	H <sub>2</sub> S	4.3-45.5%
Ethane	C <sub>2</sub> H <sub>6</sub>	3-12.5%
Propane	C <sub>3</sub> H <sub>8</sub>	2.12-9.35%
Butane	C <sub>4</sub> H <sub>10</sub>	1.86-8.41%
Acetylene	C <sub>2</sub> H <sub>2</sub>	2.5-80%

Gas	Symbol	Irrespirable
Oxygen	O <sub>2</sub>	<19.5
Methane	CH <sub>4</sub>	5-15%
Carbon Monoxide	CO	>50
Hydrogen	H <sub>2</sub>	4-74.2%
Hydrogen Sulfide	H <sub>2</sub> S	10 PPM
	NO <sub>2</sub>	>5 PPM
	SO <sub>2</sub>	> 2 PPM
	CO <sub>2</sub>	>5000 PPM