

Name	Hydrogen	Hydrogen Cyanide	Methane	Ammonia	Acetylene	Carbon Monoxide	Nitrogen	Air
Symbol	H ₂	HCN	CH ₄	NH ₃	C ₂ H ₂	CO	N ₂	AIR
Specific Gravity	0.0695	0.0941	0.55	0.6819	0.91	0.967	0.97	1
Source or How Generated	Battery Charging, Electrolysis of Water	Hydrochloric Acid on Sodium Cyanide	Decay of Bacteria or Organic Matter	Heated Natural Gas through Organic Sulfur	Water Combined with Calcium Carbide	Incomplete Combustion of Diesel Exhaust	Normal Constituent of Air	20.94% O ₂ , 78.09% N ₂ , 0.03% CO ₂ & Other Gases
Characteristics	Colorless, Odorless, Tasteless	Smell of Bitter Almonds, Deadly Poison	Colorless, Odorless, Tasteless	Colorless, Pungent Odor, Tasteless, Poisonous	Colorless, Sweet Garlic Odor	Colorless, Odorless, Tasteless	Colorless, Odorless, Tasteless	Colorless, Odorless, Tasteless
How Detected	Lab Analysis	Odor/Detector	M.G.D.	Odor/Detector	Odor	M.G.D.	Lab Analysis	N/A
T.L.V.	None	0.001% or 10 ppm	None	0.0025% or 25 ppm	None	0.005% or 50 ppm	81% for 8 hours	None
Flammable	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Explosive	Yes (4.1% - 74%)	Yes (5.6% - 40%)	Yes (5% - 15%)	Yes (16% - 25%)	Yes (2.8% - 81%)	Yes (12.5% - 74%)	No	No
Effect	May Displace Oxygen	Paralysis of Respiratory System	Can Displace Oxygen	Irritates Eyes, Nose, Throat, Respiratory Tract Burns	Displace Oxygen	Headache, Nausea, Death, Red Skin	Can Displace Oxygen	None
Treatment	Fresh Air O ₂ , Artificial Respiration if Not Breathing	Fresh Air, O ₂ , Get Antidote	Fresh Air O ₂ , Artificial Respiration if Not Breathing	Fresh Air O ₂ , Artificial Respiration if Not Breathing, Flush with Water	Fresh Air O ₂ , Artificial Respiration if Not Breathing	Fresh Air O ₂ , Artificial Respiration if Not Breathing	Fresh Air O ₂ , Artificial Respiration if Not Breathing	N/A

