

CHARACTERISTICS OF HYDROGEN SULFIDE

1. Extremely Toxic (Poisonous).
2. Heavier than air and chlorous
3. Odor of rotten eggs in small amounts.
4. Burns with a blue flame and produces Sulfur Dioxide (SO₂) gas, which is very irritating to eyes and lungs. The SO₂ is as toxic as H₂S, but the severe discomfort at low concentration acts as a barrier to human exposure to toxic levels of this gas.
5. H₂S forms explosive mixture with air between 5.9% and 27.2% by volume.
6. H₂S is soluble in water but becomes less soluble as the water temperature increases.
7. H₂S is almost as toxic as Hydrogen Cyanide – and is between 5 and 6 times more toxic than Carbon Monoxide.