

Hydrogen Sulphide (H₂S)

Learn more about gases

Hydrogen sulphide
H₂S

What is Hydrogen Sulphide?

Hydrogen sulphide is a colorless gas that burns easily. It is most distinguished by its odor resembling rotten eggs. However, H₂S blocks your sense of smell in large amounts, which means the odour goes away over time, making it even more dangerous. Hydrogen sulphide is produced by a variety of natural and human sources and processes.

Where can it be found?

Hydrogen sulphide is found naturally in crude petroleum and natural gas. It can be produced by decomposing human and animal waste, and is found in sewage treatment plants and livestock areas. In the atmosphere is often from refineries, natural gas plants and food processing plants. Automobiles emit hydrogen sulphide in their exhaust.





Hydrogen Sulphide Effects

Concentration (ppm)	Clinical Effects
0.025	Detectable odor
0.15	Offensive odor
10	Sore eyes
20-30	Strong intense odor
50	Conjunctival irritation
100	Olfactory fatigue
250	Prolonged exposure may cause death
300-500	Pulmonary edema, immediate threat to life
500	Dizziness, respiratory arrest imminent
1000	Unconscious immediately, imminent death

Protect against Hydrogen Sulphide (H₂S) dangers

Engineering Controls

- ✓ Ventilation systems

Administrative Controls

- ✓ Safety training
- ✓ Gas level testing

Personal Protective Equipment

- ✓ (APR), (SCBA)
- ✓ Protective gloves and clothing

Hydrogen sulphide
H₂S

Get to know some of our Electrochemical Gas Detectors



GDA Gas Detector

E-Sense H₂S

Non-explosive environments



Standalone IECEx Gas Detector

GTD-3000Tx

Explosion proof gas detector with alarm relays



IECEx Gas Detector

GTD-2000Tx

Explosion proof gas detector



Portable Multi Gas Detector

MGT (P/N)

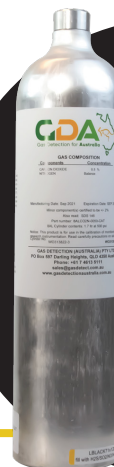
It detects H₂S and 3 other different gas types



Portable Single Gas Detector

SGT-P

Hydrogen Sulphide (H₂S) gas type



Calibration bottle

Calibration ensures the gas detectors accuracy (fixed and portable)