

Major Gases & Odour to Neutralize

Sr. No.	COMPOUND	CHEMICAL FORMULA	CHARACTERISTIC ODOUR
1	Acetaldehyde	CH ₃ CHO	Pungent fruity
2	Allyl mercaptan	CH ₂ :CHCH ₂ SH	Strong garlic, coffee
3	Ammonia	NH ₃	Sharp pungent
4	n-Amyl mercaptan	CH ₃ (CH ₂) ₄ SH	Unpleasant, putrid
5	Benzyl mercaptan	C ₆ H ₅ CH ₂ SH	Unpleasant, strong
6	n-Butyl amine	C ₂ H ₅ (CH ₂) ₂ NH ₂	Sour, ammonia-like
7	n-Butyl mercaptan	CH ₃ (CH ₂) ₃ SH	
8	tert-Butyl mercaptan	(CH ₃) ₂ CSH	Skunk, unpleasant
9	Butyric acid	CH ₃ (CH ₂)CO ₂ H	Rancid butter, vomit
10	Carbon monoxide	CO	
11	Cadaverine	C ₅ H ₁₀ (NH ₂) ₂	Rotting flesh
12	Carbonyl Sulphide	COS	Odorless or Sulphur
13	Crotyl mercaptan	CH ₃ CH:CHCH ₂ SH	Skunk- like
14	Dibutyl amine	(C ₄ H ₉) ₂ NH	Fishy
15	Diethyl disulphide	C ₂ H ₅ SSC ₂ H ₅	
16	Diethyl sulphide	(C ₂ H ₅) ₂ S	
17	Di isopropyl amine	(C ₃ H ₇) ₂ NH	Fishy
18	Dimethyl amine	(CH ₃) ₂ NH	Putrid, fishy
19	Dimethyl disulphide	CH ₃ SSCH ₃	
20	Dimethyl sulphide	(CH ₃) ₂ S	Decayed vegetables
21	Diphenyl sulphide	(C ₆ H ₅) ₂ S	Burning Tire
22	Ethyl amine	C ₂ H ₅ NH ₂	Ammoniacal
23	Ethyl mercaptan	C ₂ H ₅ SH	Decayed cabbage
24	Hydrogen sulphide	H ₂ S	Rotten eggs
25	Indole	C ₆ H ₄ (CH) ₂ NH	Faecal, nauseating
26	Methane	CH ₄	
27	Methyl amine	CH ₃ NH ₂	Putrid, fishy

Sameer Chemcon Engineers (P) Ltd.

Major Gases & Odour to Neutralize

Sr. No.	COMPOUND	CHEMICAL FORMULA	CHARACTERISTIC ODOUR
28	Methyl mercaptan	CH ₃ SH	Decayed cabbage
29	Nitrogen oxides	NO+NO ₂	Pungent, acrid
30	Phenyl mercaptan	C ₆ H ₅ SH	Putrid, garlic
31	n-Propyl mercaptan	C ₃ H ₇ SH	Unpleasant
32	Putrescine	C ₄ H ₈ (NH ₂) ₂	Rotting flesh
33	Pyridine	C ₅ H ₅ N	Pungent, irritating
34	Skatole	C ₉ H ₉ N	Faecal, nauseating
35	Sulphur oxide	SO ₂ + SO ₃	Pungent, irritating
36	Thiocresol	CH ₃ C ₆ H ₄ SH	Skunk, rancid
37	Thiophenol	C ₆ H ₅ SH	Putrid, garlic like
38	Triethyl amine	(C ₂ H ₅) ₃ N	Ammoniacal, fishy
39	Trimethyl amine	(CH ₃) ₃ N	Pungent, fishy

Sameer Chemcon Engineers (P) Ltd.