

Figure: 25 TAC §295.101(c)

List of Toxic Gases with Corresponding Chemical Abstract Service (CAS) Numbers and Recommended Allowable Concentrations (RACs)

Chemical Name	CAS Number	RAC in ppm	RAC in mg/M³
Ammonia (Anhydrous)	7664-41-7	50	35
Arsine	7784-42-1	0.05	
Boron trifluoride	7637-07-2	1	3
Butadiene	106-99-0	1	
Carbon monoxide	630-08-0	50	55
Chlorine	7782-50-5	1	3
Chlorine trifluoride	7790-91-2	0.1	0.4
Diazomethane	334-88-3	0.2	0.4
Diborane	19287-45-7	0.1	0.1
Dimethylamine	124-40-3	10	18
Ethylamine	75-04-7	10	18
Ethylene oxide	75-21-8	1	
Fluorine	7782-41-4	0.1	0.2
Formaldehyde	50-00-0	0.75	
Hydrogen bromide	10035-10-6	3	10
Hydrogen chloride	7647-01-0	5	7
Hydrogen cyanide	74-90-8	10	11
Hydrogen fluoride	7664-39-3	3	
Hydrogen selenide	7783-07-5	0.05	0.2
Hydrogen sulfide	7783-06-4	20	50
Ketene	463-51-4	0.5	0.9
Methylamine	74-89-5	10	12
Methyl bromide	74-83-9	20	80

Methyl mercaptan	74-93-1	10	20
Nitric oxide	10102-43-9	25	30
Nitrogen dioxide	10102-44-0	5	9
Nitrogen trifluoride	7783-54-2	10	29
Oxygen difluoride	7783-41-7	0.05	0.1
Ozone	10028-15-6	0.1	0.2
Perchloryl fluoride	7616-94-6	3	13.5
Phosgene (Carbonyl chloride)	75-44-5	0.1	0.4
Phosphine	7803-51-2	0.3	0.4
Selenium hexafluoride	7783-79-1	0.05	0.4
Stibine	7803-52-3	0.1	0.5
Sulfur dioxide	7446-09-5	5	13
Sulfuryl fluoride	2699-79-8	5	20
Tellurium hexafluoride	7783-80-4	0.02	0.2