

**Appendix A.10** Critical temperatures and critical pressures for common toxicants (abstracted from CRC Press, 1975 and ACGIH Ventilation Manual, 1988).

<b>name</b>	<b>formula</b>	<b>T<sub>c</sub> (°C)</b>	<b>P<sub>c</sub> (atm)</b>
acetaldehyde	C <sub>4</sub> H <sub>4</sub> O	187.8	54.7
acetic acid	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	321.6	57.1
acetone	C <sub>3</sub> H <sub>6</sub> O	235.5	47
acetonitrile	C <sub>2</sub> H <sub>3</sub> N	274.7	47.7
aniline	C <sub>6</sub> H <sub>7</sub> N	425.6	52.3
benzene	C <sub>6</sub> H <sub>6</sub>	288.9	48.6
benzyl chloride	C <sub>6</sub> H <sub>5</sub> Cl	359.2	44.6
boron trifluoride	BF <sub>3</sub>	-12.3	49.2
carbon disulfide	CS <sub>2</sub>	279	78
carbon tetrachloride	CCl <sub>4</sub>	283.4	45.6
diethylamine	C <sub>4</sub> H <sub>11</sub> N	223.3	36.6
dimethylamine	C <sub>2</sub> H <sub>7</sub> N	164.6	52.4
ethylene oxide	C <sub>2</sub> H <sub>5</sub> O	195.8	71
hydrogen chloride	HCl	51.4	82.1
hydrogen cyanide	HCN	183.5	48.9
hydrogen sulfide	H <sub>2</sub> S	100.4	88.9
methyl alcohol	CH <sub>4</sub> O	240	78.5
methylamine	CH <sub>5</sub> N	156.9	40.2
methylene chloride	CH <sub>2</sub> Cl <sub>2</sub>	237	60
methyl mercaptan	CH <sub>4</sub> S	196.8	71.4
naphthalene	C <sub>10</sub> H <sub>8</sub>	474.8	40.6
nitric oxide	NO	-93	64
ozone	O <sub>3</sub>	-5.2	67
phenol	C <sub>6</sub> H <sub>6</sub> O	421.1	60.5
propylene oxide	C <sub>3</sub> H <sub>6</sub> O	209	48.6
styrene	C <sub>8</sub> H <sub>8</sub>	374.4	39.4
triethylamine	C <sub>6</sub> H <sub>15</sub> N	258.9	30
toluene	C <sub>7</sub> H <sub>8</sub>	320.8	41.6

