

| Substance [CAS No.] (Documentation date) | ADOPTED VALUES | | | MW | TLV® Basis |
|---|---|-------------------------|--------------------------|--------|---|
| | TWA | STEL | Notations | | |
| Benzidine [92-87-5] (1985) | — (L) | — | Skin; A1 | 184.23 | Bladder cancer |
| Benzo[b]fluoranthene [205-99-2] (1991) | — (L) | — | A2; BEI _P | 252.30 | Cancer |
| Benzo[a]pyrene [50-32-8] (1990) | — (L) | — | A2; BEI _P | 252.30 | Cancer |
| Benzotrichloride [98-07-7] (1997) | — | C 0.1 ppm | Skin; A2 | 195.50 | Eye, skin, & URT irr |
| Benzoyl chloride [98-88-4] (1995) | — | C 0.5 ppm | A4 | 140.57 | URT & eye irr |
| Benzoyl peroxide [94-36-0] (1996) | 5 mg/m ³ | — | A4 | 242.22 | URT & skin irr |
| Benzyl acetate [140-11-4] (1995) | 10 ppm | — | A4 | 150.18 | URT irr |
| Benzyl chloride [100-44-7] (1995) | 1 ppm | — | A3 | 126.58 | Eye, skin, & URT irr |
| Beryllium [7440-41-7] and compounds, as Be (2014) Soluble compounds Soluble and insoluble compounds | 0.00005 mg/m ³ (I) | — | A1 Skin; DSEN RSEN | 9.01 | Beryllium sens; chronic beryllium disease (berylliosis) |
| Biphenyl [92-52-4] (1987) | 0.2 ppm | — | — | 154.20 | Pulm func |
| Bismuth telluride [1304-82-1] (1996) Undoped, as Bi ₂ Te ₃ Se-doped, as Bi ₂ Te ₃ | 10 mg/m ³ 5 mg/m ³ | — — | A4 A4 | 800.83 | Lung dam |
| Borate compounds, inorganic [1303-96-4; 1330-43-4; 10043-35-3; 12179-04-3] (2005) | 2 mg/m ³ (I) | 6 mg/m ³ (I) | A4 | Varies | URT irr |