Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ #29; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

| Toxicity and Chemical-specific Information | | | | | | | | | | | | | | | Contaminant | | Carcinogenic Target Risk (TR) = 1E-06 | | | | Noncancer Hazard Index (HI) = 1 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SFO (mg/kg-day)$^{-1}$ | key | IUR (ug/m$^3$)$^{-1}$ | key | $RfD_o$ (mg/kg-day) | key | $RfC_i$ (mg/m$^3$) | key | voc | muta-gen | GIABS | ABS | $C_{sat}$ (mg/kg) | PEF (m$^3$/kg) | VF (m$^3$/kg) | Analyte | CAS No. | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) |
| 1.8E-02 | C | 5.1E-06 | C | 1.5E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | ALAR | 1596-84-5 | 3.5E+01 | 1.1E+02 | 6.5E+05 | 2.7E+01 | 1.2E+04 | 4.2E+04 | | 9.2E+03 |
| 8.7E-03 | I | | | 4.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Acephate | 30560-19-1 | 7.3E+01 | 2.3E+02 | | 5.6E+01 | 3.1E+02 | 1.1E+03 | | 2.4E+02 |
| | | 2.2E-06 | I | | | 9.0E-03 | I | V | | 1 | | 1.07E+05 | 1.36E+09 | 9.38E+03 | Acetaldehyde | 75-07-0 | | | 1.0E+01 | 1.0E+01 | | | 8.8E+01 | 8.8E+01 |
| | | | | 2.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Acetochlor | 34256-82-1 | | | | | 1.6E+03 | 5.6E+03 | | 1.2E+03 |
| | | | | 9.0E-01 | I | 3.1E+01 | A | V | | 1 | | 1.14E+05 | 1.36E+09 | 1.47E+04 | Acetone | 67-64-1 | | | | | 7.0E+04 | | 4.7E+05 | 6.1E+04 |
| | | | | 3.0E-03 | P | 6.0E-02 | P | V | | 1 | | 1.06E+05 | 1.36E+09 | 2.56E+04 | Acetone Cyanohydrin | 75-86-5 | | | | | 2.3E+02 | | 1.6E+03 | 2.0E+02 |
| | | | | | | 6.0E-02 | I | V | | 1 | | 1.28E+05 | 1.36E+09 | 1.39E+04 | Acetonitrile | 75-05-8 | | | | | | | 8.7E+02 | 8.7E+02 |
| | | | | 1.0E-01 | I | | | V | | 1 | | 2.52E+03 | 1.36E+09 | 6.43E+04 | Acetophenone | 98-86-2 | | | | | 7.8E+03 | | | 7.8E+03 |
| 3.8E+00 | C | 1.3E-03 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Acetylaminofluorene, 2- | 53-96-3 | 1.7E-01 | 5.3E-01 | 2.5E+03 | 1.3E-01 | | | | |
| | | | | 5.0E-04 | I | 2.0E-05 | I | V | | 1 | | 2.27E+04 | 1.36E+09 | 7.44E+03 | Acrolein | 107-02-8 | | | | | 3.9E+01 | | 1.6E-01 | 1.5E-01 |
| 5.0E-01 | I | 1.0E-04 | I | 2.0E-03 | I | 6.0E-03 | I | | M | 1 | 0.1 | | 1.36E+09 | | Acrylamide | 79-06-1 | 3.0E-01 | 1.0E+00 | 1.3E+04 | 2.3E-01 | 1.6E+02 | 5.6E+02 | 8.5E+06 | 1.2E+02 |
| | | | | 5.0E-01 | I | 1.0E-03 | I | | | 1 | 0.1 | | 1.36E+09 | | Acrylic Acid | 79-10-7 | | | | | 3.9E+04 | 1.4E+05 | 1.4E+06 | 3.0E+04 |
| 5.4E-01 | I | 6.8E-05 | I | 4.0E-02 | A | 2.0E-03 | I | V | | 1 | | 1.13E+04 | 1.36E+09 | 8.27E+03 | Acrylonitrile | 107-13-1 | 1.2E+00 | | 3.0E-01 | 2.4E-01 | 3.1E+03 | | 1.7E+01 | 1.7E+01 |
| | | | | | | 6.0E-03 | P | | | 1 | 0.1 | | 1.36E+09 | | Adiponitrile | 111-69-3 | | | | | | | 8.5E+06 | 8.5E+06 |
| 5.6E-02 | C | | | 1.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Alachlor | 15972-60-8 | 1.1E+01 | 3.6E+01 | | 8.7E+00 | 7.8E+02 | 2.8E+03 | | 6.1E+02 |
| | | | | 1.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Aldicarb | 116-06-3 | | | | | 7.8E+01 | 2.8E+02 | | 6.1E+01 |
| | | | | 1.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Aldicarb Sulfone | 1646-88-4 | | | | | 7.8E+01 | 2.8E+02 | | 6.1E+01 |
| 1.7E+01 | I | 4.9E-03 | I | 3.0E-05 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Aldrin | 309-00-2 | 3.8E-02 | 1.2E-01 | 6.8E+02 | 2.9E-02 | 2.3E+00 | 8.4E+00 | | 1.8E+00 |
| | | | | 2.5E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Ally | 74223-64-6 | | | | | 2.0E+04 | 7.0E+04 | | 1.5E+04 |
| | | | | 5.0E-03 | I | 1.0E-04 | X | | | 1 | 0.1 | | 1.36E+09 | | Allyl Alcohol | 107-18-6 | | | | | 3.9E+02 | 1.4E+03 | 1.4E+05 | 3.0E+02 |
| 2.1E-02 | C | 6.0E-06 | C | | | 1.0E-03 | I | V | | 1 | | 1.42E+03 | 1.36E+09 | 1.70E+03 | Allyl Chloride | 107-05-1 | 3.0E+01 | | 6.9E-01 | 6.8E-01 | | | 1.8E+00 | 1.8E+00 |
| | | | | 1.0E+00 | P | 5.0E-03 | P | | | 1 | | | 1.36E+09 | | Aluminum | 7429-90-5 | | | | | 7.8E+04 | | 7.1E+06 | 7.7E+04 |
| | | | | 4.0E-04 | I | | | | | 1 | | | 1.36E+09 | | Aluminum Phosphide | 20859-73-8 | | | | | 3.1E+01 | | | 3.1E+01 |
| | | | | 3.0E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Amdro | 67485-29-4 | | | | | 2.3E+01 | 8.4E+01 | | 1.8E+01 |
| | | | | 9.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Ametryn | 834-12-8 | | | | | 7.0E+02 | 2.5E+03 | | 5.5E+02 |
| 2.1E+01 | C | 6.0E-03 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Aminobiphenyl, 4- | 92-67-1 | 3.0E-02 | 9.6E-02 | 5.5E+02 | 2.3E-02 | | | | |
| | | | | 8.0E-02 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Aminophenol, m- | 591-27-5 | | | | | 6.3E+03 | 2.2E+04 | | 4.9E+03 |
| | | | | 2.0E-02 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Aminophenol, p- | 123-30-8 | | | | | 1.6E+03 | 5.6E+03 | | 1.2E+03 |
| | | | | 2.5E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Amitraz | 33089-61-1 | | | | | 2.0E+02 | 7.0E+02 | | 1.5E+02 |
| | | | | | | 1.0E-01 | I | | | 1 | | | | | Ammonia | 7664-41-7 | | | | | | | | |
| | | | | 7.0E-04 | I | | | | | 1 | | | 1.36E+09 | | Ammonium Perchlorate | 7790-98-9 | | | | | 5.5E+01 | | | 5.5E+01 |
| | | | | 2.0E-01 | I | | | | | 1 | | | 1.36E+09 | | Ammonium Sulfamate | 7773-06-0 | | | | | 1.6E+04 | | | 1.6E+04 |
| 5.7E-03 | I | 1.6E-06 | C | 7.0E-03 | P | 1.0E-03 | I | | | 1 | 0.1 | | 1.36E+09 | | Aniline | 62-53-3 | 1.1E+02 | 3.5E+02 | 2.1E+06 | 8.5E+01 | 5.5E+02 | 2.0E+03 | 1.4E+06 | 4.3E+02 |
| | | | | 4.0E-04 | I | | | | | 0.15 | | | 1.36E+09 | | Antimony (metallic) | 7440-36-0 | | | | | 3.1E+01 | | | 3.1E+01 |
| | | | | 5.0E-04 | H | | | | | 0.15 | | | 1.36E+09 | | Antimony Pentoxide | 1314-60-9 | | | | | 3.9E+01 | | | 3.9E+01 |
| | | | | 9.0E-04 | H | | | | | 0.15 | | | 1.36E+09 | | Antimony Potassium Tartrate | 11071-15-1 | | | | | 7.0E+01 | | | 7.0E+01 |
| | | | | 4.0E-04 | H | | | | | 0.15 | | | 1.36E+09 | | Antimony Tetroxide | 1332-81-6 | | | | | 3.1E+01 | | | 3.1E+01 |
| | | | | | | 2.0E-04 | I | | | 0.15 | | | 1.36E+09 | | Antimony Trioxide | 1309-64-4 | | | | | | | 2.8E+05 | 2.8E+05 |
| | | | | 1.3E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Apollo | 74115-24-5 | | | | | 1.0E+03 | 3.6E+03 | | 7.9E+02 |
| 2.5E-02 | I | 7.1E-06 | I | 5.0E-02 | H | | | | | 1 | 0.1 | | 1.36E+09 | | Aramite | 140-57-8 | 2.6E+01 | 8.1E+01 | 4.7E+05 | 1.9E+01 | 3.9E+03 | 1.4E+04 | | 3.1E+03 |
| 1.5E+00 | I | 4.3E-03 | I | 3.0E-04 | I | 1.5E-05 | C | | | 1 | 0.03 | | 1.36E+09 | | Arsenic, Inorganic | 7440-38-2 | 4.3E-01 | 4.5E+00 | 7.7E+02 | 3.9E-01 | 2.3E+01 | 2.8E+02 | 2.1E+04 | 2.2E+01 |
| | | | | 3.5E-06 | C | 5.0E-05 | I | | | 1 | | | 1.36E+09 | | Arsine | 7784-42-1 | | | | | 2.7E-01 | | 7.1E+04 | 2.7E-01 |
| | | | | 9.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Assure | 76578-14-8 | | | | | 7.0E+02 | 2.5E+03 | | 5.5E+02 |
| | | | | 5.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Asulam | 3337-71-1 | | | | | 3.9E+03 | 1.4E+04 | | 3.1E+03 |
| 2.3E-01 | C | | | 3.5E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Atrazine | 1912-24-9 | 2.8E+00 | 8.8E+00 | | 2.1E+00 | 2.7E+03 | 9.8E+03 | | 2.1E+03 |
| 8.8E-01 | C | 2.5E-04 | C | | | | | | | | | | 1.36E+09 | | Auramine | 492-80-8 | 7.3E-01 | | 1.3E+04 | 7.3E-01 | | | | |
| | | | | 4.0E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Avermectin B1 | 65195-55-3 | | | | | 3.1E+01 | 1.1E+02 | | 2.4E+01 |
| 1.1E-01 | I | 3.1E-05 | I | | | | | V | | 1 | | | 1.36E+09 | 5.76E+05 | Azobenzene | 103-33-3 | 5.8E+00 | | 4.5E+01 | 5.1E+00 | | | | |
| | | | | 2.0E-01 | I | 5.0E-04 | H | | | 0.07 | | | 1.36E+09 | | Barium | 7440-39-3 | | | | | 1.6E+04 | | 7.1E+05 | 1.5E+04 |
| | | | | 4.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Baygon | 114-26-1 | | | | | 3.1E+02 | 1.1E+03 | | 2.4E+02 |
| | | | | 3.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Bayleton | 43121-43-3 | | | | | 2.3E+03 | 8.4E+03 | | 1.8E+03 |
| | | | | 2.5E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Baythroid | 68359-37-5 | | | | | 2.0E+03 | 7.0E+03 | | 1.5E+03 |
| | | | | 3.0E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Benefin | 1861-40-1 | | | | | 2.3E+04 | 8.4E+04 | | 1.8E+04 |
| | | | | 5.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Benomyl | 17804-35-2 | | | | | 3.9E+03 | 1.4E+04 | | 3.1E+03 |
| | | | | 3.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Bentazon | 25057-89-0 | | | | | 2.3E+03 | 8.4E+03 | | 1.8E+03 |

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ #29; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

| Toxicity and Chemical-specific Information | | | | | | | | | | | | | | | Contaminant | | Carcinogenic Target Risk (TR) = 1E-06 | | | | Noncancer Hazard Index (HI) = 1 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SFO (mg/kg-day)$^{-1}$ | key | IUR (ug/m$^3$)$^{-1}$ | key | $RfD_o$ (mg/kg-day) | key | $RfC_i$ (mg/m$^3$) | key | voc | muta-gen | GIABS | ABS | $C_{sat}$ (mg/kg) | PEF (m$^3$/kg) | VF (m$^3$/kg) | Analyte | CAS No. | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) |
| | | | | 1.0E-01 | I | | | V | | 1 | | 1.16E+03 | 1.36E+09 | 2.42E+04 | Benzaldehyde | 100-52-7 | | | | | 7.8E+03 | | | 7.8E+03 |
| 5.5E-02 | I | 7.8E-06 | I | 4.0E-03 | I | 3.0E-02 | I | V | | 1 | | 1.82E+03 | 1.36E+09 | 3.81E+03 | Benzene | 71-43-2 | 1.2E+01 | | 1.2E+00 | 1.1E+00 | 3.1E+02 | | 1.2E+02 | 8.6E+01 |
| | | | | 1.0E-05 | H | | | V | | 1 | | 1.26E+03 | 1.36E+09 | 2.09E+04 | Benzenethiol | 108-98-5 | | | | | 7.8E-01 | | | 7.8E-01 |
| 2.3E+02 | I | 6.7E-02 | I | 3.0E-03 | I | | | | M | 1 | 0.1 | | 1.36E+09 | | Benzidine | 92-87-5 | 6.5E-04 | 2.2E-03 | 1.9E+01 | 5.0E-04 | 2.3E+02 | 8.4E+02 | | 1.8E+02 |
| | | | | 4.0E+00 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Benzoic Acid | 65-85-0 | | | | | 3.1E+05 | 1.1E+06 | | 2.4E+05 |
| 1.3E+01 | I | | | | | | | V | | 1 | | 3.24E+02 | 1.36E+09 | 7.28E+04 | Benzotrichloride | 98-07-7 | 4.9E-02 | | | 4.9E-02 | | | | |
| | | | | 1.0E-01 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Benzyl Alcohol | 100-51-6 | | | | | 7.8E+03 | 2.8E+04 | | 6.1E+03 |
| 1.7E-01 | I | 4.9E-05 | C | 2.0E-03 | P | 1.0E-03 | P | V | | 1 | | 1.46E+03 | 1.36E+09 | 2.74E+04 | Benzyl Chloride | 100-44-7 | 3.8E+00 | | 1.4E+00 | 1.0E+00 | 1.6E+02 | | 2.9E+01 | 2.4E+01 |
| | | 2.4E-03 | I | 2.0E-03 | I | 2.0E-05 | I | | | 0.007 | | | 1.36E+09 | | Beryllium and compounds | 7440-41-7 | | | 1.4E+03 | 1.4E+03 | 1.6E+02 | | 2.8E+04 | 1.6E+02 |
| | | | | 1.0E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Bidrin | 141-66-2 | | | | | 7.8E+00 | 2.8E+01 | | 6.1E+00 |
| | | | | 9.0E-03 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Bifenox | 42576-02-3 | | | | | 7.0E+02 | 2.5E+03 | | 5.5E+02 |
| | | | | 1.5E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Biphenthrin | 82657-04-3 | | | | | 1.2E+03 | 4.2E+03 | | 9.2E+02 |
| | | | | 5.0E-02 | I | | | V | | 1 | | 2.14E+02 | 1.36E+09 | 1.23E+05 | Biphenyl, 1,1'- | 92-52-4 | | | | | 3.9E+03 | | | 3.9E+03 |
| 7.0E-02 | H | 1.0E-05 | H | 4.0E-02 | I | | | V | | 1 | | 1.02E+03 | 1.36E+09 | 3.77E+04 | Bis(2-chloro-1-methylethyl) ether | 108-60-1 | 9.1E+00 | | 9.2E+00 | 4.6E+00 | 3.1E+03 | | | 3.1E+03 |
| | | | | 3.0E-03 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Bis(2-chloroethoxy)methane | 111-91-1 | | | | | 2.3E+02 | 8.4E+02 | | 1.8E+02 |
| 1.1E+00 | I | 3.3E-04 | I | | | | | V | | 1 | | 5.05E+03 | 1.36E+09 | 4.58E+04 | Bis(2-chloroethyl)ether | 111-44-4 | 5.8E-01 | | 3.4E-01 | 2.1E-01 | | | | |
| 1.4E-02 | I | 2.4E-06 | C | 2.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Bis(2-ethylhexyl)phthalate | 117-81-7 | 4.6E+01 | 1.4E+02 | 1.4E+06 | 3.5E+01 | 1.6E+03 | 5.6E+03 | | 1.2E+03 |
| 2.2E+02 | I | 6.2E-02 | I | | | | | V | | 1 | | 4.22E+03 | 1.36E+09 | 2.02E+03 | Bis(chloromethyl)ether | 542-88-1 | 2.9E-03 | | 7.9E-05 | 7.7E-05 | | | | |
| | | | | 5.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Bisphenol A | 80-05-7 | | | | | 3.9E+03 | 1.4E+04 | | 3.1E+03 |
| | | | | 2.0E-01 | I | 2.0E-02 | H | | | 1 | | | 1.36E+09 | | Boron And Borates Only | 7440-42-8 | | | | | 1.6E+04 | | 2.8E+07 | 1.6E+04 |
| | | | | 4.0E-02 | C | 1.3E-02 | C | | | 1 | | | 1.36E+09 | | Boron Trifluoride | 7637-07-2 | | | | | 3.1E+03 | | 1.8E+07 | 3.1E+03 |
| 7.0E-01 | I | | | 4.0E-03 | I | | | | | 1 | | | 1.36E+09 | | Bromate | 15541-45-4 | 9.1E-01 | | | 9.1E-01 | 3.1E+02 | | | 3.1E+02 |
| 2.0E+00 | X | 6.0E-04 | X | | | | | V | | 1 | | 2.38E+03 | 1.36E+09 | 6.38E+03 | Bromo-2-chloroethane, 1- | 107-04-0 | 3.2E-01 | | 2.6E-02 | 2.4E-02 | | | | |
| | | | | 8.0E-03 | I | 6.0E-02 | I | V | | 1 | | 6.79E+02 | 1.36E+09 | 9.01E+03 | Bromobenzene | 108-86-1 | | | | | 6.3E+02 | | 5.6E+02 | 3.0E+02 |
| 6.2E-02 | I | 3.7E-05 | C | 2.0E-02 | I | | | V | | 1 | | 9.31E+02 | 1.36E+09 | 4.27E+03 | Bromodichloromethane | 75-27-4 | 1.0E+01 | | 2.8E-01 | 2.7E-01 | 1.6E+03 | | | 1.6E+03 |
| 7.9E-03 | I | 1.1E-06 | I | 2.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Bromoform | 75-25-2 | 8.1E+01 | 2.6E+02 | 3.0E+06 | 6.1E+01 | 1.6E+03 | 5.6E+03 | | 1.2E+03 |
| | | | | 1.4E-03 | I | 5.0E-03 | I | V | | 1 | | 3.59E+03 | 1.36E+09 | 1.50E+03 | Bromomethane | 74-83-9 | | | | | 1.1E+02 | | 7.8E+00 | 7.3E+00 |
| | | | | 5.0E-03 | H | | | | | 1 | 0.1 | | 1.36E+09 | | Bromophos | 2104-96-3 | | | | | 3.9E+02 | 1.4E+03 | | 3.1E+02 |
| | | | | 2.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Bromoxynil | 1689-84-5 | | | | | 1.6E+03 | 5.6E+03 | | 1.2E+03 |
| | | | | 2.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Bromoxynil Octanoate | 1689-99-2 | | | | | 1.6E+03 | 5.6E+03 | | 1.2E+03 |
| 3.4E+00 | C | 3.0E-05 | I | | | 2.0E-03 | I | V | | 1 | | 6.67E+02 | 1.36E+09 | 9.32E+02 | Butadiene, 1,3- | 106-99-0 | 1.9E-01 | | 7.6E-02 | 5.4E-02 | | | 1.9E+00 | 1.9E+00 |
| | | | | 1.0E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Butanol, N- | 71-36-3 | | | | | 7.8E+03 | 2.8E+04 | | 6.1E+03 |
| 1.9E-03 | P | | | 2.0E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Butyl Benzyl Phthlate | 85-68-7 | 3.4E+02 | 1.1E+03 | | 2.6E+02 | 1.6E+04 | 5.6E+04 | | 1.2E+04 |
| | | | | 2.0E+00 | P | 3.0E+01 | P | | | | | | 1.36E+09 | | Butyl alcohol, sec- | 78-92-2 | | | | | 1.6E+05 | | 4.3E+10 | 1.6E+05 |
| | | | | 5.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Butylate | 2008-41-5 | | | | | 3.9E+03 | 1.4E+04 | | 3.1E+03 |
| 2.0E-04 | C | 5.7E-08 | C | | | | | | | | | | 1.36E+09 | | Butylated hydroxyanisole | 25013-16-5 | 3.2E+03 | | 5.8E+07 | 3.2E+03 | | | | |
| | | | | 1.0E+00 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Butylphthalyl Butylglycolate | 85-70-1 | | | | | 7.8E+04 | 2.8E+05 | | 6.1E+04 |
| | | | | 2.0E-02 | A | | | | | 1 | 0.1 | | 1.36E+09 | | Cacodylic Acid | 75-60-5 | | | | | 1.6E+03 | 5.6E+03 | | 1.2E+03 |
| | | 1.8E-03 | I | 1.0E-03 | I | 1.0E-05 | A | | | 0.025 | 0.001 | | 1.36E+09 | | Cadmium (Diet) | 7440-43-9 | | | 1.8E+03 | 1.8E+03 | 7.8E+01 | 7.0E+02 | 1.4E+04 | 7.0E+01 |
| | | 1.8E-03 | I | 5.0E-04 | I | 1.0E-05 | A | | | 0.05 | 0.001 | | | | Cadmium (Water) | 7440-43-9 | | | | | | | | |
| | | | | 5.0E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Caprolactam | 105-60-2 | | | | | 3.9E+04 | 1.4E+05 | | 3.1E+04 |
| 1.5E-01 | C | 4.3E-05 | C | 2.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Captafol | 2425-06-1 | 4.3E+00 | 1.3E+01 | 7.7E+04 | 3.2E+00 | 1.6E+02 | 5.6E+02 | | 1.2E+02 |
| 2.3E-03 | C | 6.6E-07 | C | 1.3E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Captan | 133-06-2 | 2.8E+02 | 8.8E+02 | 5.0E+06 | 2.1E+02 | 1.0E+04 | 3.6E+04 | | 7.9E+03 |
| | | | | 1.0E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Carbaryl | 63-25-2 | | | | | 7.8E+03 | 2.8E+04 | | 6.1E+03 |
| | | | | 5.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Carbofuran | 1563-66-2 | | | | | 3.9E+02 | 1.4E+03 | | 3.1E+02 |
| | | | | 1.0E-01 | I | 7.0E-01 | I | V | | 1 | | 7.38E+02 | 1.36E+09 | 1.26E+03 | Carbon Disulfide | 75-15-0 | | | | | 7.8E+03 | | 9.2E+02 | 8.2E+02 |
| 7.0E-02 | I | 6.0E-06 | I | 4.0E-03 | I | 1.0E-01 | I | V | | 1 | | 4.58E+02 | 1.36E+09 | 1.61E+03 | Carbon Tetrachloride | 56-23-5 | 9.1E+00 | | 6.5E-01 | 6.1E-01 | 3.1E+02 | | 1.7E+02 | 1.1E+02 |
| | | | | 1.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Carbosulfan | 55285-14-8 | | | | | 7.8E+02 | 2.8E+03 | | 6.1E+02 |
| | | | | 1.0E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Carboxin | 5234-68-4 | | | | | 7.8E+03 | 2.8E+04 | | 6.1E+03 |
| | | | | | | 9.0E-04 | I | | | 1 | | | 1.36E+09 | | Ceric oxide | 1306-38-3 | | | | | | | 1.3E+06 | 1.3E+06 |
| | | | | 1.0E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Chloral Hydrate | 302-17-0 | | | | | 7.8E+03 | 2.8E+04 | | 6.1E+03 |
| | | | | 1.5E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Chloramben | 133-90-4 | | | | | 1.2E+03 | 4.2E+03 | | 9.2E+02 |
| 4.0E-01 | H | | | | | | | | | 1 | 0.1 | | 1.36E+09 | | Chloranil | 118-75-2 | 1.6E+00 | 5.0E+00 | | 1.2E+00 | | | | |
| 3.5E-01 | I | 1.0E-04 | I | 5.0E-04 | I | 7.0E-04 | I | | | 1 | 0.04 | | 1.36E+09 | | Chlordane | 12789-03-6 | 1.8E+00 | 1.4E+01 | 3.3E+04 | 1.6E+00 | 3.9E+01 | 3.5E+02 | 9.9E+05 | 3.5E+01 |
| 1.0E+01 | I | 4.6E-03 | C | 3.0E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Chlordecone (Kepone) | 143-50-0 | 6.4E-02 | 2.0E-01 | 7.2E+02 | 4.9E-02 | 2.3E+01 | 8.4E+01 | | 1.8E+01 |

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ #29; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

| Toxicity and Chemical-specific Information | | | | | | | | | | | | | | | Contaminant | | Carcinogenic Target Risk (TR) = 1E-06 | | | | Noncancer Hazard Index (HI) = 1 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SFO (mg/kg-day)$^{-1}$ | key | IUR (ug/m$^3$)$^{-1}$ | key | $RfD_o$ (mg/kg-day) | key | $RfC_i$ (mg/m$^3$) | key | voc | muta-gen | GIABS | ABS | $C_{sat}$ (mg/kg) | PEF (m$^3$/kg) | VF (m$^3$/kg) | Analyte | CAS No. | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) |
| | | | | 7.0E-04 | A | | | | | 1 | 0.1 | | 1.36E+09 | | Chlorfenvinphos | 470-90-6 | | | | | 5.5E+01 | 2.0E+02 | | 4.3E+01 |
| | | | | 2.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Chlorimuron, Ethyl- | 90982-32-4 | | | | | 1.6E+03 | 5.6E+03 | | 1.2E+03 |
| | | | | 1.0E-01 | I | 1.5E-04 | A | | | 1 | | | 1.36E+09 | | Chlorine | 7782-50-5 | | | | | 7.8E+03 | | 2.1E+05 | 7.5E+03 |
| | | | | 3.0E-02 | I | 2.0E-04 | I | | | 1 | | | 1.36E+09 | | Chlorine Dioxide | 10049-04-4 | | | | | 2.3E+03 | | 2.8E+05 | 2.3E+03 |
| | | | | 3.0E-02 | I | | | | | 1 | | | 1.36E+09 | | Chlorite (Sodium Salt) | 7758-19-2 | | | | | 2.3E+03 | | | 2.3E+03 |
| | | | | | | 5.0E+01 | I | V | | 1 | | 1.15E+03 | 1.36E+09 | 1.11E+03 | Chloro-1,1-difluoroethane, 1- | 75-68-3 | | | | | | | 5.8E+04 | 5.8E+04 |
| | | | | 2.0E-02 | H | 7.0E-03 | H | V | | 1 | | 7.52E+02 | 1.36E+09 | 1.16E+03 | Chloro-1,3-butadiene, 2- | 126-99-8 | | | | | 1.6E+03 | | 8.5E+00 | 8.4E+00 |
| 4.6E-01 | H | | | | | | | | | 1 | 0.1 | | 1.36E+09 | | Chloro-2-methylaniline HCl, 4- | 3165-93-3 | 1.4E+00 | 4.4E+00 | | 1.1E+00 | | | | |
| 2.7E-01 | X | | | | | | | | | | | | 1.36E+09 | | Chloroacetaldehyde, 2- | 107-20-0 | 2.4E+00 | | | 2.4E+00 | | | | |
| | | | | 2.0E-03 | H | | | | | 1 | 0.1 | | 1.36E+09 | | Chloroacetic Acid | 79-11-8 | | | | | 1.6E+02 | 5.6E+02 | | 1.2E+02 |
| | | | | | | 3.0E-05 | I | | | 1 | 0.1 | | 1.36E+09 | | Chloroacetophenone, 2- | 532-27-4 | | | | | | | 4.3E+04 | 4.3E+04 |
| 2.0E-01 | P | | | 4.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Chloroaniline, p- | 106-47-8 | 3.2E+00 | 1.0E+01 | | 2.4E+00 | 3.1E+02 | 1.1E+03 | | 2.4E+02 |
| | | | | 2.0E-02 | I | 5.0E-02 | P | V | | 1 | | 7.61E+02 | 1.36E+09 | 6.94E+03 | Chlorobenzene | 108-90-7 | | | | | 1.6E+03 | | 3.6E+02 | 2.9E+02 |
| 1.1E-01 | C | 3.1E-05 | C | 2.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Chlorobenzilate | 510-15-6 | 5.8E+00 | 1.8E+01 | 1.1E+05 | 4.4E+00 | 1.6E+03 | 5.6E+03 | | 1.2E+03 |
| | | | | 3.0E-02 | X | | | | | 1 | 0.1 | | 1.36E+09 | | Chlorobenzoic Acid, p- | 74-11-3 | | | | | 2.3E+03 | 8.4E+03 | | 1.8E+03 |
| | | | | 3.0E-03 | P | 3.0E-01 | P | V | | 1 | | 1.17E+02 | 1.36E+09 | 7.28E+03 | Chlorobenzotrifluoride, 4- | 98-56-6 | | | | | 2.3E+02 | | 2.3E+03 | 2.1E+02 |
| | | | | 4.0E-02 | P | | | V | | 1 | | 7.28E+02 | 1.36E+09 | 1.89E+03 | Chlorobutane, 1- | 109-69-3 | | | | | 3.1E+03 | | | 3.1E+03 |
| | | | | | | 5.0E+01 | I | V | | 1 | | 1.68E+03 | 1.36E+09 | 1.01E+03 | Chlorodifluoromethane | 75-45-6 | | | | | | | 5.3E+04 | 5.3E+04 |
| 3.1E-02 | C | 2.3E-05 | I | 1.0E-02 | I | 9.8E-02 | A | V | | 1 | | 2.54E+03 | 1.36E+09 | 2.83E+03 | Chloroform | 67-66-3 | 2.1E+01 | | 3.0E-01 | 2.9E-01 | 7.8E+02 | | 2.9E+02 | 2.1E+02 |
| | | | | | | 9.0E-02 | I | V | | 1 | | 1.32E+03 | 1.36E+09 | 1.27E+03 | Chloromethane | 74-87-3 | | | | | | | 1.2E+02 | 1.2E+02 |
| 2.4E+00 | C | 6.9E-04 | C | | | | | V | | 1 | | 2.58E+04 | 1.36E+09 | 5.73E+03 | Chloromethyl Methyl Ether | 107-30-2 | 2.7E-01 | | 2.0E-02 | 1.9E-02 | | | | |
| | | | | 8.0E-02 | I | | | V | | 1 | | 1.75E+02 | 1.36E+09 | 8.60E+04 | Chloronaphthalene, Beta- | 91-58-7 | | | | | 6.3E+03 | | | 6.3E+03 |
| 3.0E-01 | P | | | 3.0E-03 | P | 1.0E-05 | X | | | 1 | 0.1 | | 1.36E+09 | | Chloronitrobenzene, o- | 88-73-3 | 2.1E+00 | 6.7E+00 | | 1.6E+00 | 2.3E+02 | 8.4E+02 | 1.4E+04 | 1.8E+02 |
| 6.3E-03 | P | | | 1.0E-03 | P | 6.0E-04 | P | | | 1 | 0.1 | | 1.36E+09 | | Chloronitrobenzene, p- | 100-00-5 | 1.0E+02 | 3.2E+02 | | 7.7E+01 | 7.8E+01 | 2.8E+02 | 8.5E+05 | 6.1E+01 |
| | | | | 5.0E-03 | I | | | V | | 1 | | 2.19E+04 | 1.36E+09 | 1.34E+05 | Chlorophenol, 2- | 95-57-8 | | | | | 3.9E+02 | | | 3.9E+02 |
| | | | | | | 4.0E-04 | C | | | | | | 1.36E+09 | | Chloropicrin | 76-06-2 | | | | | | | 5.7E+05 | 5.7E+05 |
| 3.1E-03 | C | 8.9E-07 | C | 1.5E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Chlorothalonil | 1897-45-6 | 2.1E+02 | 6.5E+02 | 3.7E+06 | 1.6E+02 | 1.2E+03 | 4.2E+03 | | 9.2E+02 |
| | | | | 2.0E-02 | I | | | V | | 1 | | 9.07E+02 | 1.36E+09 | 8.74E+03 | Chlorotoluene, o- | 95-49-8 | | | | | 1.6E+03 | | | 1.6E+03 |
| | | | | 7.0E-02 | P | | | V | | 1 | | 2.53E+02 | 1.36E+09 | 7.85E+03 | Chlorotoluene, p- | 106-43-4 | | | | | 5.5E+03 | | | 5.5E+03 |
| 2.4E+02 | C | 6.9E-02 | C | | | | | | | | | | 1.36E+09 | | Chlorozotocin | 54749-90-5 | 2.7E-03 | | 4.8E+01 | 2.7E-03 | | | | |
| | | | | 2.0E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Chlorpropham | 101-21-3 | | | | | 1.6E+04 | 5.6E+04 | | 1.2E+04 |
| | | | | 3.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Chlorpyrifos | 2921-88-2 | | | | | 2.3E+02 | 8.4E+02 | | 1.8E+02 |
| | | | | 1.0E-02 | H | | | | | 1 | 0.1 | | 1.36E+09 | | Chlorpyrifos Methyl | 5598-13-0 | | | | | 7.8E+02 | 2.8E+03 | | 6.1E+02 |
| | | | | 5.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Chlorsulfuron | 64902-72-3 | | | | | 3.9E+03 | 1.4E+04 | | 3.1E+03 |
| | | | | 8.0E-04 | H | | | | | 1 | 0.1 | | 1.36E+09 | | Chlorthiophos | 60238-56-4 | | | | | 6.3E+01 | 2.2E+02 | | 4.9E+01 |
| | | | | 1.5E+00 | I | | | | | 0.013 | | | 1.36E+09 | | Chromium(III), Insoluble Salts | 16065-83-1 | | | | | 1.2E+05 | | | 1.2E+05 |
| 5.0E-01 | J | 8.4E-02 | I | 3.0E-03 | I | 1.0E-04 | I | | M | 0.025 | | | 1.36E+09 | | Chromium(VI) | 18540-29-9 | 3.0E-01 | | 1.6E+01 | 2.9E-01 | 2.3E+02 | | 1.4E+05 | 2.3E+02 |
| | | | | | | | | | | 0.013 | | | 1.36E+09 | | Chromium, Total | 7440-47-3 | | | | | | | | |
| | | 9.0E-03 | P | 3.0E-04 | P | 6.0E-06 | P | | | 1 | | | 1.36E+09 | | Cobalt | 7440-48-4 | | | 3.7E+02 | 3.7E+02 | 2.3E+01 | | 8.5E+03 | 2.3E+01 |
| | | 6.2E-04 | I | | | | | | M | 1 | 0.1 | | | | Coke Oven Emissions | 8007-45-2 | | | | | | | | |
| | | | | 4.0E-02 | H | | | | | 1 | | | 1.36E+09 | | Copper | 7440-50-8 | | | | | 3.1E+03 | | | 3.1E+03 |
| | | | | 5.0E-02 | I | 6.0E-01 | C | | | 1 | 0.1 | | 1.36E+09 | | Cresol, m- | 108-39-4 | | | | | 3.9E+03 | 1.4E+04 | 8.5E+08 | 3.1E+03 |
| | | | | 5.0E-02 | I | 6.0E-01 | C | | | 1 | 0.1 | | 1.36E+09 | | Cresol, o- | 95-48-7 | | | | | 3.9E+03 | 1.4E+04 | 8.5E+08 | 3.1E+03 |
| | | | | 5.0E-03 | H | 6.0E-01 | C | | | 1 | 0.1 | | 1.36E+09 | | Cresol, p- | 106-44-5 | | | | | 3.9E+02 | 1.4E+03 | 8.5E+08 | 3.1E+02 |
| | | | | 1.0E-01 | X | | | | | 1 | 0.1 | | 1.36E+09 | | Cresol, p-chloro-m- | 59-50-7 | | | | | 7.8E+03 | 2.8E+04 | | 6.1E+03 |
| | | | | 1.0E-01 | A | 6.0E-01 | C | V | | 1 | | 5.02E+04 | 1.36E+09 | 3.26E+05 | Cresols | 1319-77-3 | | | | | 7.8E+03 | | 2.0E+05 | 7.5E+03 |
| 1.9E+00 | H | | | | | | | V | | 1 | | 1.66E+04 | 1.36E+09 | 2.04E+04 | Crotonaldehyde, trans- | 123-73-9 | 3.4E-01 | | | 3.4E-01 | | | | |
| | | | | 1.0E-01 | I | 4.0E-01 | I | V | | 1 | | 2.68E+02 | 1.36E+09 | 6.68E+03 | Cumene | 98-82-8 | | | | | 7.8E+03 | | 2.8E+03 | 2.1E+03 |
| 2.2E-01 | C | 6.3E-05 | C | | | | | | | | | | 1.36E+09 | | Cupferron | 135-20-6 | 2.9E+00 | | 5.3E+04 | 2.9E+00 | | | | |
| 8.4E-01 | H | | | 2.0E-03 | H | | | | | 1 | 0.1 | | 1.36E+09 | | Cyanazine | 21725-46-2 | 7.6E-01 | 2.4E+00 | | 5.8E-01 | 1.6E+02 | 5.6E+02 | | 1.2E+02 |
| | | | | | | | | | | | | | | | **Cyanides** | | | | | | | | | |
| | | | | 4.0E-02 | I | | | | | 1 | | | 1.36E+09 | | ~Calcium Cyanide | 592-01-8 | | | | | 3.1E+03 | | | 3.1E+03 |
| | | | | 5.0E-03 | I | | | | | 1 | | | 1.36E+09 | | ~Copper Cyanide | 544-92-3 | | | | | 3.9E+02 | | | 3.9E+02 |
| | | | | 2.0E-02 | I | | | V | | 1 | | 1.00E+07 | 1.36E+09 | 5.01E+04 | ~Cyanide (CN-) | 57-12-5 | | | | | 1.6E+03 | | | 1.6E+03 |
| | | | | 4.0E-02 | I | | | V | | 1 | | 1.45E+03 | 1.36E+09 | 1.27E+03 | ~Cyanogen | 460-19-5 | | | | | 3.1E+03 | | | 3.1E+03 |

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ #29; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

| Toxicity and Chemical-specific Information | | | | | | | | | | | | | | | Contaminant | | Carcinogenic Target Risk (TR) = 1E-06 | | | | Noncancer Hazard Index (HI) = 1 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SFO (mg/kg-day)$^{-1}$ | key | IUR (ug/m$^3$)$^{-1}$ | key | $RfD_o$ (mg/kg-day) | key | $RfC_i$ (mg/m$^3$) | key | voc | muta-gen | GIABS | ABS | $C_{sat}$ (mg/kg) | PEF (m$^3$/kg) | VF (m$^3$/kg) | Analyte | CAS No. | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) |
| | | | | 9.0E-02 | I | | | V | | 1 | | 1.03E+05 | 1.36E+09 | 9.65E+02 | ~Cyanogen Bromide | 506-68-3 | | | | | 7.0E+03 | | | 7.0E+03 |
| | | | | 5.0E-02 | I | | | V | | 1 | | 4.29E+03 | 1.36E+09 | 2.09E+03 | ~Cyanogen Chloride | 506-77-4 | | | | | 3.9E+03 | | | 3.9E+03 |
| | | | | 2.0E-02 | I | 3.0E-03 | I | V | | 1 | | 1.18E+05 | 1.36E+09 | 6.11E+03 | ~Hydrogen Cyanide | 74-90-8 | | | | | 1.6E+03 | | 1.9E+01 | 1.9E+01 |
| | | | | 5.0E-02 | I | | | | | 1 | | | 1.36E+09 | | ~Potassium Cyanide | 151-50-8 | | | | | 3.9E+03 | | | 3.9E+03 |
| | | | | 2.0E-01 | I | | | | | 0.04 | | | 1.36E+09 | | ~Potassium Silver Cyanide | 506-61-6 | | | | | 1.6E+04 | | | 1.6E+04 |
| | | | | 1.0E-01 | I | | | | | 0.04 | | | 1.36E+09 | | ~Silver Cyanide | 506-64-9 | | | | | 7.8E+03 | | | 7.8E+03 |
| | | | | 4.0E-02 | I | | | | | 1 | | | 1.36E+09 | | ~Sodium Cyanide | 143-33-9 | | | | | 3.1E+03 | | | 3.1E+03 |
| | | | | 2.0E-04 | P | | | V | | 1 | | 4.56E+03 | 1.36E+09 | 7.06E+03 | ~Thiocyanate | 463-56-9 | | | | | 1.6E+01 | | | 1.6E+01 |
| | | | | 5.0E-02 | I | | | | | 1 | | | 1.36E+09 | | ~Zinc Cyanide | 557-21-1 | | | | | 3.9E+03 | | | 3.9E+03 |
| | | | | | | 6.0E+00 | I | V | | 1 | | 1.17E+02 | 1.36E+09 | 1.12E+03 | Cyclohexane | 110-82-7 | | | | | | | 7.0E+03 | 7.0E+03 |
| 2.3E-02 | H | | | | | | | | | 1 | 0.1 | | 1.36E+09 | | Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro- | 87-84-3 | 2.8E+01 | 8.8E+01 | | 2.1E+01 | | | | |
| | | | | 5.0E+00 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Cyclohexanone | 108-94-1 | | | | | 3.9E+05 | 1.4E+06 | | 3.1E+05 |
| | | | | 2.0E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Cyclohexylamine | 108-91-8 | | | | | 1.6E+04 | 5.6E+04 | | 1.2E+04 |
| | | | | 5.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Cyhalothrin/karate | 68085-85-8 | | | | | 3.9E+02 | 1.4E+03 | | 3.1E+02 |
| | | | | 1.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Cypermethrin | 52315-07-8 | | | | | 7.8E+02 | 2.8E+03 | | 6.1E+02 |
| | | | | 7.5E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Cyromazine | 66215-27-8 | | | | | 5.9E+02 | 2.1E+03 | | 4.6E+02 |
| 2.4E-01 | I | 6.9E-05 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | DDD | 72-54-8 | 2.7E+00 | 8.4E+00 | 4.8E+04 | 2.0E+00 | | | | |
| 3.4E-01 | I | 9.7E-05 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | DDE, p,p'- | 72-55-9 | 1.9E+00 | 6.0E+00 | 3.4E+04 | 1.4E+00 | | | | |
| 3.4E-01 | I | 9.7E-05 | I | 5.0E-04 | I | | | | | 1 | 0.03 | | 1.36E+09 | | DDT | 50-29-3 | 1.9E+00 | 2.0E+01 | 3.4E+04 | 1.7E+00 | 3.9E+01 | 4.7E+02 | | 3.6E+01 |
| | | | | 1.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Dacthal | 1861-32-1 | | | | | 7.8E+02 | 2.8E+03 | | 6.1E+02 |
| | | | | 3.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Dalapon | 75-99-0 | | | | | 2.3E+03 | 8.4E+03 | | 1.8E+03 |
| 7.0E-04 | I | | | 7.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Decabromodiphenyl ether, 2,2',3,3',4,4',5,5',6,6'- (BDE-209) | 1163-19-5 | 9.1E+02 | 2.9E+03 | | 6.9E+02 | 5.5E+02 | 2.0E+03 | | 4.3E+02 |
| | | | | 4.0E-05 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Demeton | 8065-48-3 | | | | | 3.1E+00 | 1.1E+01 | | 2.4E+00 |
| 1.2E-03 | I | | | 6.0E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Di(2-ethylhexyl)adipate | 103-23-1 | 5.3E+02 | 1.7E+03 | | 4.0E+02 | 4.7E+04 | 1.7E+05 | | 3.7E+04 |
| 6.1E-02 | H | | | | | | | | | 1 | 0.1 | | 1.36E+09 | | Diallate | 2303-16-4 | 1.0E+01 | 3.3E+01 | | 8.0E+00 | | | | |
| | | | | 7.0E-04 | A | | | | | 1 | 0.1 | | 1.36E+09 | | Diazinon | 333-41-5 | | | | | 5.5E+01 | 2.0E+02 | | 4.3E+01 |
| 8.0E-01 | P | 6.0E-03 | P | 2.0E-04 | P | 2.0E-04 | I | V | M | 1 | | 9.79E+02 | 1.36E+09 | 3.44E+04 | Dibromo-3-chloropropane, 1,2- | 96-12-8 | 1.9E-01 | | 5.5E-03 | 5.4E-03 | 1.6E+01 | | 7.2E+00 | 4.9E+00 |
| | | | | 1.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Dibromobenzene, 1,4- | 106-37-6 | | | | | 7.8E+02 | 2.8E+03 | | 6.1E+02 |
| 8.4E-02 | I | 2.7E-05 | C | 2.0E-02 | I | | | V | | 1 | 0.1 | 8.02E+02 | 1.36E+09 | 8.55E+03 | Dibromochloromethane | 124-48-1 | 7.6E+00 | 2.4E+01 | 7.7E-01 | 6.8E-01 | 1.6E+03 | 5.6E+03 | | 1.2E+03 |
| 2.0E+00 | I | 6.0E-04 | I | 9.0E-03 | I | 9.0E-03 | I | V | | 1 | | 1.34E+03 | 1.36E+09 | 9.30E+03 | Dibromoethane, 1,2- | 106-93-4 | 3.2E-01 | | 3.8E-02 | 3.4E-02 | 7.0E+02 | | 8.7E+01 | 7.8E+01 |
| | | | | 1.0E-02 | H | 4.0E-03 | X | V | | 1 | | 2.82E+03 | 1.36E+09 | 6.08E+03 | Dibromomethane (Methylene Bromide) | 74-95-3 | | | | | 7.8E+02 | | 2.5E+01 | 2.5E+01 |
| | | | | 1.0E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Dibutyl Phthalate | 84-74-2 | | | | | 7.8E+03 | 2.8E+04 | | 6.1E+03 |
| | | | | 3.0E-04 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Dibutyltin Compounds | NA | | | | | 2.3E+01 | 8.4E+01 | | 1.8E+01 |
| | | | | 3.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Dicamba | 1918-00-9 | | | | | 2.3E+03 | 8.4E+03 | | 1.8E+03 |
| | | 4.2E-03 | P | | | | | V | | 1 | | 5.19E+02 | 1.36E+09 | 1.12E+04 | Dichloro-2-butene, 1,4- | 764-41-0 | | | 6.5E-03 | 6.5E-03 | | | | |
| | | 4.2E-03 | P | | | | | V | | 1 | 0.1 | 5.19E+02 | 1.36E+09 | 1.20E+04 | Dichloro-2-butene, cis-1,4- | 1476-11-5 | | | 6.9E-03 | 6.9E-03 | | | | |
| | | 4.2E-03 | P | | | | | V | | 1 | 0.1 | 7.60E+02 | 1.36E+09 | 1.20E+04 | Dichloro-2-butene, trans-1,4- | 110-57-6 | | | 6.9E-03 | 6.9E-03 | | | | |
| 5.0E-02 | I | | | 4.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Dichloroacetic Acid | 79-43-6 | 1.3E+01 | 4.0E+01 | | 9.7E+00 | 3.1E+02 | 1.1E+03 | | 2.4E+02 |
| | | | | 9.0E-02 | I | 2.0E-01 | H | V | | 1 | | 3.76E+02 | 1.36E+09 | 1.26E+04 | Dichlorobenzene, 1,2- | 95-50-1 | | | | | 7.0E+03 | | 2.6E+03 | 1.9E+03 |
| 5.4E-03 | C | 1.1E-05 | C | 7.0E-02 | A | 8.0E-01 | I | V | | 1 | | | 1.36E+09 | 1.12E+04 | Dichlorobenzene, 1,4- | 106-46-7 | 1.2E+02 | | 2.5E+00 | 2.4E+00 | 5.5E+03 | | 9.4E+03 | 3.5E+03 |
| 4.5E-01 | I | 3.4E-04 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Dichlorobenzidine, 3,3'- | 91-94-1 | 1.4E+00 | 4.5E+00 | 9.7E+03 | 1.1E+00 | | | | |
| | | | | 9.0E-03 | X | | | | | 1 | 0.1 | | 1.36E+09 | | Dichlorobenzophenone, 4,4'- | 90-98-2 | | | | | 7.0E+02 | 2.5E+03 | | 5.5E+02 |
| | | | | 2.0E-01 | I | 2.0E-01 | H | V | | 1 | | 8.45E+02 | 1.36E+09 | 8.95E+02 | Dichlorodifluoromethane | 75-71-8 | | | | | 1.6E+04 | | 1.9E+02 | 1.8E+02 |
| 5.7E-03 | C | 1.6E-06 | C | 2.0E-01 | P | | | V | | 1 | | 1.69E+03 | 1.36E+09 | 2.24E+03 | Dichloroethane, 1,1- | 75-34-3 | 1.1E+02 | | 3.4E+00 | 3.3E+00 | 1.6E+04 | | | 1.6E+04 |
| 9.1E-02 | I | 2.6E-05 | I | 2.0E-02 | P | 2.4E+00 | A | V | | 1 | | 2.98E+03 | 1.36E+09 | 4.92E+03 | Dichloroethane, 1,2- | 107-06-2 | 7.0E+00 | | 4.6E-01 | 4.3E-01 | 1.6E+03 | | 1.2E+04 | 1.4E+03 |
| | | | | 5.0E-02 | I | 2.0E-01 | I | V | | 1 | | 1.19E+03 | 1.36E+09 | 1.24E+03 | Dichloroethylene, 1,1- | 75-35-4 | | | | | 3.9E+03 | | 2.6E+02 | 2.4E+02 |
| | | | | 9.0E-03 | H | | | V | | 1 | | 1.29E+03 | 1.36E+09 | 2.67E+03 | Dichloroethylene, 1,2- (Mixed Isomers) | 540-59-0 | | | | | 7.0E+02 | | | 7.0E+02 |
| | | | | 1.0E-02 | P | | | V | | 1 | | 2.37E+03 | 1.36E+09 | 2.69E+03 | Dichloroethylene, 1,2-cis- | 156-59-2 | | | | | 7.8E+02 | | | 7.8E+02 |
| | | | | 2.0E-02 | I | 6.0E-02 | P | V | | 1 | | 1.67E+03 | 1.36E+09 | 2.70E+03 | Dichloroethylene, 1,2-trans- | 156-60-5 | | | | | 1.6E+03 | | 1.7E+02 | 1.5E+02 |
| | | | | 3.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Dichlorophenol, 2,4- | 120-83-2 | | | | | 2.3E+02 | 8.4E+02 | | 1.8E+02 |
| | | | | 1.0E-02 | I | | | | | 1 | 0.05 | | 1.36E+09 | | Dichlorophenoxy Acetic Acid, 2,4- | 94-75-7 | | | | | 7.8E+02 | 5.6E+03 | | 6.9E+02 |
| | | | | 8.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Dichlorophenoxy)butyric Acid, 4-(2,4- | 94-82-6 | | | | | 6.3E+02 | 2.2E+03 | | 4.9E+02 |
| 3.6E-02 | C | 1.0E-05 | C | 9.0E-02 | A | 4.0E-03 | I | V | | 1 | | 1.36E+03 | 1.36E+09 | 3.87E+03 | Dichloropropane, 1,2- | 78-87-5 | 1.8E+01 | | 9.4E-01 | 8.9E-01 | 7.0E+03 | | 1.6E+01 | 1.6E+01 |
| | | | | 2.0E-02 | P | | | V | | 1 | | 1.49E+03 | 1.36E+09 | 7.28E+03 | Dichloropropane, 1,3- | 142-28-9 | | | | | 1.6E+03 | | | 1.6E+03 |
| | | | | 3.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Dichloropropanol, 2,3- | 616-23-9 | | | | | 2.3E+02 | 8.4E+02 | | 1.8E+02 |

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ #29; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

| Toxicity and Chemical-specific Information | | | | | | | | | | | | | | | Contaminant | | Carcinogenic Target Risk (TR) = 1E-06 | | | | Noncancer Hazard Index (HI) = 1 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SFO (mg/kg-day)$^{-1}$ | key | IUR (ug/m$^3$)$^{-1}$ | key | $RfD_o$ (mg/kg-day) | key | $RfC_i$ (mg/m$^3$) | key | voc | muta-gen | GIABS | ABS | $C_{sat}$ (mg/kg) | PEF (m$^3$/kg) | VF (m$^3$/kg) | Analyte | CAS No. | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) |
| 1.0E-01 | I | 4.0E-06 | I | 3.0E-02 | I | 2.0E-02 | I | V | | 1 | | 1.57E+03 | 1.36E+09 | 3.68E+03 | Dichloropropene, 1,3- | 542-75-6 | 6.4E+00 | | 2.2E+00 | 1.7E+00 | 2.3E+03 | | 7.7E+01 | 7.4E+01 |
| 2.9E-01 | I | 8.3E-05 | C | 5.0E-04 | I | 5.0E-04 | I | | | 1 | 0.1 | | 1.36E+09 | | Dichlorvos | 62-73-7 | 2.2E+00 | 7.0E+00 | 4.0E+04 | 1.7E+00 | 3.9E+01 | 1.4E+02 | 7.1E+05 | 3.1E+01 |
| | | | | 8.0E-03 | P | 7.0E-03 | P | V | | 1 | | 1.32E+02 | 1.36E+09 | 3.86E+03 | Dicyclopentadiene | 77-73-6 | | | | | 6.3E+02 | | 2.8E+01 | 2.7E+01 |
| 1.6E+01 | I | 4.6E-03 | I | 5.0E-05 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Dieldrin | 60-57-1 | 4.0E-02 | 1.3E-01 | 7.2E+02 | 3.0E-02 | 3.9E+00 | 1.4E+01 | | 3.1E+00 |
| | | 3.0E-04 | C | | | 5.0E-03 | I | | | 1 | 0.1 | | | | Diesel Engine Exhaust | NA | | | | | | | | |
| | | | | | | 3.0E-03 | C | | | | | | 1.36E+09 | | Diethanolamine | 111-42-2 | | | | | | | 4.3E+06 | 4.3E+06 |
| | | | | 8.0E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Diethyl Phthalate | 84-66-2 | | | | | 6.3E+04 | 2.2E+05 | | 4.9E+04 |
| | | | | 3.0E-02 | P | 1.0E-04 | P | | | 1 | 0.1 | | 1.36E+09 | | Diethylene Glycol Monobutyl Ether | 112-34-5 | | | | | 2.3E+03 | 8.4E+03 | 1.4E+05 | 1.8E+03 |
| | | | | 6.0E-02 | P | 3.0E-04 | P | | | 1 | 0.1 | | 1.36E+09 | | Diethylene Glycol Monoethyl Ether | 111-90-0 | | | | | 4.7E+03 | 1.7E+04 | 4.3E+05 | 3.6E+03 |
| | | | | 1.0E-03 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Diethylformamide | 617-84-5 | | | | | 7.8E+01 | 2.8E+02 | | 6.1E+01 |
| 3.5E+02 | C | 1.0E-01 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Diethylstilbestrol | 56-53-1 | 1.8E-03 | 5.8E-03 | 3.3E+01 | 1.4E-03 | | | | |
| | | | | 8.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Difenzoquat | 43222-48-6 | | | | | 6.3E+03 | 2.2E+04 | | 4.9E+03 |
| | | | | 2.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Diflubenzuron | 35367-38-5 | | | | | 1.6E+03 | 5.6E+03 | | 1.2E+03 |
| | | | | | | 4.0E+01 | I | V | | 1 | | 1.43E+03 | 1.36E+09 | 1.24E+03 | Difluoroethane, 1,1- | 75-37-6 | | | | | | | 5.2E+04 | 5.2E+04 |
| 4.4E-02 | C | 1.3E-05 | C | | | | | | | | | | 1.36E+09 | | Dihydrosafrole | 94-58-6 | 1.5E+01 | | 2.5E+05 | 1.5E+01 | | | | |
| | | | | | | 4.0E-01 | P | V | | 1 | | 2.26E+03 | 1.36E+09 | 3.29E+03 | Diisopropyl Ether | 108-20-3 | | | | | | | 1.4E+03 | 1.4E+03 |
| | | | | 8.0E-02 | I | | | V | | 1 | | 5.30E+02 | 1.36E+09 | 3.08E+04 | Diisopropyl Methylphosphonate | 1445-75-6 | | | | | 6.3E+03 | | | 6.3E+03 |
| | | | | 2.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Dimethipin | 55290-64-7 | | | | | 1.6E+03 | 5.6E+03 | | 1.2E+03 |
| | | | | 2.0E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Dimethoate | 60-51-5 | | | | | 1.6E+01 | 5.6E+01 | | 1.2E+01 |
| 1.4E-02 | H | | | | | | | | | 1 | 0.1 | | 1.36E+09 | | Dimethoxybenzidine, 3,3'- | 119-90-4 | 4.6E+01 | 1.4E+02 | | 3.5E+01 | | | | |
| 1.7E-03 | P | | | 6.0E-02 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Dimethyl methylphosphonate | 756-79-6 | 3.8E+02 | 1.2E+03 | | 2.9E+02 | 4.7E+03 | 1.7E+04 | | 3.7E+03 |
| 4.6E+00 | C | 1.3E-03 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Dimethylamino azobenzene [p-] | 60-11-7 | 1.4E-01 | 4.4E-01 | 2.5E+03 | 1.1E-01 | | | | |
| 5.8E-01 | H | | | | | | | | | 1 | 0.1 | | 1.36E+09 | | Dimethylaniline HCl, 2,4- | 21436-96-4 | 1.1E+00 | 3.5E+00 | | 8.4E-01 | | | | |
| 7.5E-01 | H | | | | | | | | | 1 | 0.1 | | 1.36E+09 | | Dimethylaniline, 2,4- | 95-68-1 | 8.5E-01 | 2.7E+00 | | 6.5E-01 | | | | |
| | | | | 2.0E-03 | I | | | V | | 1 | | 8.30E+02 | 1.36E+09 | 3.36E+04 | Dimethylaniline, N,N- | 121-69-7 | | | | | 1.6E+02 | | | 1.6E+02 |
| 1.1E+01 | P | | | | | | | | | 1 | 0.1 | | 1.36E+09 | | Dimethylbenzidine, 3,3'- | 119-93-7 | 5.8E-02 | 1.8E-01 | | 4.4E-02 | | | | |
| | | | | 1.0E-01 | P | 3.0E-02 | I | | | 1 | 0.1 | | 1.36E+09 | | Dimethylformamide | 68-12-2 | | | | | 7.8E+03 | 2.8E+04 | 4.3E+07 | 6.1E+03 |
| | | | | 1.0E-04 | X | 2.0E-06 | X | | | 1 | 0.1 | | 1.36E+09 | | Dimethylhydrazine, 1,1- | 57-14-7 | | | | | 7.8E+00 | 2.8E+01 | 2.8E+03 | 6.1E+00 |
| 5.5E+02 | C | 1.6E-01 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Dimethylhydrazine, 1,2- | 540-73-8 | 1.2E-03 | 3.7E-03 | 2.1E+01 | 8.8E-04 | | | | |
| | | | | 2.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Dimethylphenol, 2,4- | 105-67-9 | | | | | 1.6E+03 | 5.6E+03 | | 1.2E+03 |
| | | | | 6.0E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Dimethylphenol, 2,6- | 576-26-1 | | | | | 4.7E+01 | 1.7E+02 | | 3.7E+01 |
| | | | | 1.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Dimethylphenol, 3,4- | 95-65-8 | | | | | 7.8E+01 | 2.8E+02 | | 6.1E+01 |
| | | | | 1.0E-01 | I | | | V | | 1 | | 5.45E+00 | 1.36E+09 | 2.30E+04 | Dimethylterephthalate | 120-61-6 | | | | | 7.8E+03 | | | 7.8E+03 |
| 4.5E-02 | C | 1.3E-05 | C | | | | | | | | | | 1.36E+09 | | Dimethylvinylchloride | 513-37-1 | 1.4E+01 | | 2.5E+05 | 1.4E+01 | | | | |
| | | | | 8.0E-05 | X | | | | | 1 | 0.1 | | 1.36E+09 | | Dinitro-o-cresol, 4,6- | 534-52-1 | | | | | 6.3E+00 | 2.2E+01 | | 4.9E+00 |
| | | | | 2.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Dinitro-o-cyclohexyl Phenol, 4,6- | 131-89-5 | | | | | 1.6E+02 | 5.6E+02 | | 1.2E+02 |
| | | | | 1.0E-04 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Dinitrobenzene, 1,2- | 528-29-0 | | | | | 7.8E+00 | 2.8E+01 | | 6.1E+00 |
| | | | | 1.0E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Dinitrobenzene, 1,3- | 99-65-0 | | | | | 7.8E+00 | 2.8E+01 | | 6.1E+00 |
| | | | | 1.0E-04 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Dinitrobenzene, 1,4- | 100-25-4 | | | | | 7.8E+00 | 2.8E+01 | | 6.1E+00 |
| | | | | 2.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Dinitrophenol, 2,4- | 51-28-5 | | | | | 1.6E+02 | 5.6E+02 | | 1.2E+02 |
| 6.8E-01 | I | | | | | | | | | 1 | 0.1 | | 1.36E+09 | | Dinitrotoluene Mixture, 2,4/2,6- | 25321-14-6 | 9.4E-01 | 3.0E+00 | | 7.1E-01 | | | | |
| 3.1E-01 | C | 8.9E-05 | C | 2.0E-03 | I | | | | | 1 | 0.102 | | 1.36E+09 | | Dinitrotoluene, 2,4- | 121-14-2 | 2.1E+00 | 6.4E+00 | 3.7E+04 | 1.6E+00 | 1.6E+02 | 5.5E+02 | | 1.2E+02 |
| | | | | 1.0E-03 | P | | | | | 1 | 0.099 | | 1.36E+09 | | Dinitrotoluene, 2,6- | 606-20-2 | | | | | 7.8E+01 | 2.8E+02 | | 6.1E+01 |
| | | | | 2.0E-03 | S | | | | | 1 | 0.006 | | 1.36E+09 | | Dinitrotoluene, 2-Amino-4,6- | 35572-78-2 | | | | | 1.6E+02 | 9.3E+03 | | 1.5E+02 |
| | | | | 2.0E-03 | S | | | | | 1 | 0.009 | | 1.36E+09 | | Dinitrotoluene, 4-Amino-2,6- | 19406-51-0 | | | | | 1.6E+02 | 6.2E+03 | | 1.5E+02 |
| | | | | 1.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Dinoseb | 88-85-7 | | | | | 7.8E+01 | 2.8E+02 | | 6.1E+01 |
| 1.1E-02 | I | 7.7E-06 | C | 1.0E-01 | A | 3.6E+00 | A | | | 1 | 0.1 | | 1.36E+09 | | Dioxane, 1,4- | 123-91-1 | 5.8E+01 | 1.8E+02 | 4.3E+05 | 4.4E+01 | 7.8E+03 | 2.8E+04 | 5.1E+09 | 6.1E+03 |
| | | | | | | | | | | | | | | | **Dioxins** | | | | | | | | | |
| 6.2E+03 | I | 1.3E+00 | I | | | | | | | 1 | 0.03 | | 1.36E+09 | | ~Hexachlorodibenzo-p-dioxin, Mixture | NA | 1.0E-04 | 1.1E-03 | 2.5E+00 | 9.4E-05 | | | | |
| 1.3E+05 | C | 3.8E+01 | C | 1.0E-09 | A | 4.0E-08 | C | | | 1 | 0.03 | | 1.36E+09 | | ~TCDD, 2,3,7,8- | 1746-01-6 | 4.9E-06 | 5.2E-05 | 8.7E-02 | 4.5E-06 | 7.8E-05 | 9.3E-04 | 5.7E+01 | 7.2E-05 |
| | | | | 3.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Diphenamid | 957-51-7 | | | | | 2.3E+03 | 8.4E+03 | | 1.8E+03 |
| | | | | 8.0E-04 | X | | | | | 1 | 0.1 | | 1.36E+09 | | Diphenyl Sulfone | 127-63-9 | | | | | 6.3E+01 | 2.2E+02 | | 4.9E+01 |
| | | | | 2.5E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Diphenylamine | 122-39-4 | | | | | 2.0E+03 | 7.0E+03 | | 1.5E+03 |
| 8.0E-01 | I | 2.2E-04 | I | | | | | | | 1 | 0.1 | | 1.36E+09 | | Diphenylhydrazine, 1,2- | 122-66-7 | 8.0E-01 | 2.5E+00 | 1.5E+04 | 6.1E-01 | | | | |
| | | | | 2.2E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Diquat | 85-00-7 | | | | | 1.7E+02 | 6.1E+02 | | 1.3E+02 |

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ #29; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

| Toxicity and Chemical-specific Information | | | | | | | | | | | | | | | Contaminant | | Carcinogenic Target Risk (TR) = 1E-06 | | | | Noncancer Hazard Index (HI) = 1 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SFO (mg/kg-day)$^{-1}$ | key | IUR (ug/m$^3$)$^{-1}$ | key | $RfD_o$ (mg/kg-day) | key | $RfC_i$ (mg/m$^3$) | key | voc | muta-gen | GIABS | ABS | $C_{sat}$ (mg/kg) | PEF (m$^3$/kg) | VF (m$^3$/kg) | Analyte | CAS No. | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) |
| 7.4E+00 | C | 2.1E-03 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Direct Black 38 | 1937-37-7 | 8.6E-02 | 2.7E-01 | 1.6E+03 | 6.6E-02 | | | | |
| 7.4E+00 | C | 2.1E-03 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Direct Blue 6 | 2602-46-2 | 8.6E-02 | 2.7E-01 | 1.6E+03 | 6.6E-02 | | | | |
| 6.7E+00 | C | 1.9E-03 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Direct Brown 95 | 16071-86-6 | 9.5E-02 | 3.0E-01 | 1.7E+03 | 7.2E-02 | | | | |
| | | | | 4.0E-05 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Disulfoton | 298-04-4 | | | | | 3.1E+00 | 1.1E+01 | | 2.4E+00 |
| | | | | 1.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Dithiane, 1,4- | 505-29-3 | | | | | 7.8E+02 | 2.8E+03 | | 6.1E+02 |
| | | | | 2.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Diuron | 330-54-1 | | | | | 1.6E+02 | 5.6E+02 | | 1.2E+02 |
| | | | | 4.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Dodine | 2439-10-3 | | | | | 3.1E+02 | 1.1E+03 | | 2.4E+02 |
| | | | | 2.5E-02 | I | | | V | | 1 | | 4.07E+02 | 1.36E+09 | 1.26E+05 | EPTC | 759-94-4 | | | | | 2.0E+03 | | | 2.0E+03 |
| | | | | 6.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Endosulfan | 115-29-7 | | | | | 4.7E+02 | 1.7E+03 | | 3.7E+02 |
| | | | | 2.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Endothall | 145-73-3 | | | | | 1.6E+03 | 5.6E+03 | | 1.2E+03 |
| | | | | 3.0E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Endrin | 72-20-8 | | | | | 2.3E+01 | 8.4E+01 | | 1.8E+01 |
| 9.9E-03 | I | 1.2E-06 | I | 6.0E-03 | P | 1.0E-03 | I | V | | 1 | | 1.05E+04 | 1.36E+09 | 2.03E+04 | Epichlorohydrin | 106-89-8 | 6.5E+01 | | 4.1E+01 | 2.5E+01 | 4.7E+02 | | 2.1E+01 | 2.0E+01 |
| | | | | | | 2.0E-02 | I | V | | 1 | | 1.53E+04 | 1.36E+09 | 8.24E+03 | Epoxybutane, 1,2- | 106-88-7 | | | | | | | 1.7E+02 | 1.7E+02 |
| | | | | 5.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Ethephon | 16672-87-0 | | | | | 3.9E+02 | 1.4E+03 | | 3.1E+02 |
| | | | | 5.0E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Ethion | 563-12-2 | | | | | 3.9E+01 | 1.4E+02 | | 3.1E+01 |
| | | | | 3.0E-01 | H | 3.0E-01 | C | | | 1 | 0.1 | | 1.36E+09 | | Ethoxyethanol Acetate, 2- | 111-15-9 | | | | | 2.3E+04 | 8.4E+04 | 4.3E+08 | 1.8E+04 |
| | | | | 4.0E-01 | H | 2.0E-01 | I | | | 1 | 0.1 | | 1.36E+09 | | Ethoxyethanol, 2- | 110-80-5 | | | | | 3.1E+04 | 1.1E+05 | 2.8E+08 | 2.4E+04 |
| | | | | 9.0E-01 | I | | | V | | 1 | | 1.08E+04 | 1.36E+09 | 9.28E+03 | Ethyl Acetate | 141-78-6 | | | | | 7.0E+04 | | | 7.0E+04 |
| 4.8E-02 | H | | | | | | | V | | 1 | | 2.50E+03 | 1.36E+09 | 6.82E+03 | Ethyl Acrylate | 140-88-5 | 1.3E+01 | | | 1.3E+01 | | | | |
| | | | | | | 1.0E+01 | I | V | | 1 | | 2.12E+03 | 1.36E+09 | 1.39E+03 | Ethyl Chloride | 75-00-3 | | | | | | | 1.5E+04 | 1.5E+04 |
| | | | | 2.0E-01 | I | | | V | | 1 | | 1.01E+04 | 1.36E+09 | 3.36E+03 | Ethyl Ether | 60-29-7 | | | | | 1.6E+04 | | | 1.6E+04 |
| | | | | 9.0E-02 | H | | | V | | 1 | | 1.10E+03 | 1.36E+09 | 6.21E+03 | Ethyl Methacrylate | 97-63-2 | | | | | 7.0E+03 | | | 7.0E+03 |
| | | | | 1.0E-05 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Ethyl-p-nitrophenyl Phosphonate | 2104-64-5 | | | | | 7.8E-01 | 2.8E+00 | | 6.1E-01 |
| 1.1E-02 | C | 2.5E-06 | C | 1.0E-01 | I | 1.0E+00 | I | V | | 1 | | 4.80E+02 | 1.36E+09 | 6.10E+03 | Ethylbenzene | 100-41-4 | 5.8E+01 | | 5.9E+00 | 5.4E+00 | 7.8E+03 | | 6.4E+03 | 3.5E+03 |
| | | | | 3.0E-02 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Ethylene Cyanohydrin | 109-78-4 | | | | | 2.3E+03 | 8.4E+03 | | 1.8E+03 |
| | | | | 9.0E-02 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Ethylene Diamine | 107-15-3 | | | | | 7.0E+03 | 2.5E+04 | | 5.5E+03 |
| | | | | 2.0E+00 | I | 4.0E-01 | C | | | 1 | 0.1 | | 1.36E+09 | | Ethylene Glycol | 107-21-1 | | | | | 1.6E+05 | 5.6E+05 | 5.7E+08 | 1.2E+05 |
| | | | | 1.0E-01 | I | 1.6E+00 | I | | | 1 | 0.1 | | 1.36E+09 | | Ethylene Glycol Monobutyl Ether | 111-76-2 | | | | | 7.8E+03 | 2.8E+04 | 2.3E+09 | 6.1E+03 |
| 3.1E-01 | C | 8.8E-05 | C | | | 3.0E-02 | C | V | | 1 | | 1.21E+05 | 1.36E+09 | 6.55E+03 | Ethylene Oxide | 75-21-8 | 2.1E+00 | | 1.8E-01 | 1.7E-01 | | | 2.0E+02 | 2.0E+02 |
| 4.5E-02 | C | 1.3E-05 | C | 8.0E-05 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Ethylene Thiourea | 96-45-7 | 1.4E+01 | 4.5E+01 | 2.5E+05 | 1.1E+01 | 6.3E+00 | 2.2E+01 | | 4.9E+00 |
| 6.5E+01 | C | 1.9E-02 | C | | | | | | | | | | 1.36E+09 | | Ethyleneimine | 151-56-4 | 9.8E-03 | | 1.7E+02 | 9.8E-03 | | | | |
| | | | | 3.0E+00 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Ethylphthalyl Ethyl Glycolate | 84-72-0 | | | | | 2.3E+05 | 8.4E+05 | | 1.8E+05 |
| | | | | 8.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Express | 101200-48-0 | | | | | 6.3E+02 | 2.2E+03 | | 4.9E+02 |
| | | | | 2.5E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Fenamiphos | 22224-92-6 | | | | | 2.0E+01 | 7.0E+01 | | 1.5E+01 |
| | | | | 2.5E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Fenpropathrin | 39515-41-8 | | | | | 2.0E+03 | 7.0E+03 | | 1.5E+03 |
| | | | | 1.3E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Fluometuron | 2164-17-2 | | | | | 1.0E+03 | 3.6E+03 | | 7.9E+02 |
| | | | | 4.0E-02 | C | 1.3E-02 | C | | | | | | 1.36E+09 | | Fluoride | 16984-48-8 | | | | | 3.1E+03 | | 1.8E+07 | 3.1E+03 |
| | | | | 6.0E-02 | I | 1.3E-02 | C | | | 1 | | | 1.36E+09 | | Fluorine (Soluble Fluoride) | 7782-41-4 | | | | | 4.7E+03 | | 1.8E+07 | 4.7E+03 |
| | | | | 8.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Fluridone | 59756-60-4 | | | | | 6.3E+03 | 2.2E+04 | | 4.9E+03 |
| | | | | 2.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Flurprimidol | 56425-91-3 | | | | | 1.6E+03 | 5.6E+03 | | 1.2E+03 |
| | | | | 6.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Flutolanil | 66332-96-5 | | | | | 4.7E+03 | 1.7E+04 | | 3.7E+03 |
| | | | | 1.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Fluvalinate | 69409-94-5 | | | | | 7.8E+02 | 2.8E+03 | | 6.1E+02 |
| 3.5E-03 | I | | | 1.0E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Folpet | 133-07-3 | 1.8E+02 | 5.8E+02 | | 1.4E+02 | 7.8E+03 | 2.8E+04 | | 6.1E+03 |
| 1.9E-01 | I | | | | | | | | | 1 | 0.1 | | 1.36E+09 | | Fomesafen | 72178-02-0 | 3.4E+00 | 1.1E+01 | | 2.6E+00 | | | | |
| | | | | 2.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Fonofos | 944-22-9 | | | | | 1.6E+02 | 5.6E+02 | | 1.2E+02 |
| | | 1.3E-05 | I | 2.0E-01 | I | 9.8E-03 | A | | | 1 | 0.1 | | 1.36E+09 | | Formaldehyde | 50-00-0 | | | 2.5E+05 | 2.5E+05 | 1.6E+04 | 5.6E+04 | 1.4E+07 | 1.2E+04 |
| | | | | 2.0E+00 | H | 3.0E-03 | P | | | 1 | 0.1 | | 1.36E+09 | | Formic Acid | 64-18-6 | | | | | 1.6E+05 | 5.6E+05 | 4.3E+06 | 1.2E+05 |
| | | | | 3.0E+00 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Fosetyl-AL | 39148-24-8 | | | | | 2.3E+05 | 8.4E+05 | | 1.8E+05 |
| | | | | | | | | | | | | | | | **Furans** | | | | | | | | | |
| | | | | 1.0E-03 | X | | | V | | 1 | | 1.71E+02 | 1.36E+09 | 2.11E+05 | ~Dibenzofuran | 132-64-9 | | | | | 7.8E+01 | | | 7.8E+01 |
| | | | | 1.0E-03 | I | | | V | | 1 | | 6.22E+03 | 1.36E+09 | 2.82E+03 | ~Furan | 110-00-9 | | | | | 7.8E+01 | | | 7.8E+01 |
| 3.8E+00 | H | | | | | | | | | 1 | 0.1 | | 1.36E+09 | | Furazolidone | 67-45-8 | 1.7E-01 | 5.3E-01 | | 1.3E-01 | | | | |
| | | | | 3.0E-03 | I | 5.0E-02 | H | | | 1 | 0.1 | | 1.36E+09 | | Furfural | 98-01-1 | | | | | 2.3E+02 | 8.4E+02 | 7.1E+07 | 1.8E+02 |
| 1.5E+00 | C | 4.3E-04 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Furium | 531-82-8 | 4.3E-01 | 1.3E+00 | 7.7E+03 | 3.2E-01 | | | | |
| 3.0E-02 | I | 8.6E-06 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Furmecyclox | 60568-05-0 | 2.1E+01 | 6.7E+01 | 3.8E+05 | 1.6E+01 | | | | |

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ #29; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

| Toxicity and Chemical-specific Information | | | | | | | | | | | | | | | Contaminant | | Carcinogenic Target Risk (TR) = 1E-06 | | | | Noncancer Hazard Index (HI) = 1 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SFO (mg/kg-day)$^{-1}$ | key | IUR (ug/m$^3$)$^{-1}$ | key | $RfD_o$ (mg/kg-day) | key | $RfC_i$ (mg/m$^3$) | key | voc | muta-gen | GIABS | ABS | $C_{sat}$ (mg/kg) | PEF (m$^3$/kg) | VF (m$^3$/kg) | Analyte | CAS No. | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) |
| | | | | 4.0E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Glufosinate, Ammonium | 77182-82-2 | | | | | 3.1E+01 | 1.1E+02 | | 2.4E+01 |
| | | | | | | 8.0E-05 | C | | | | | | 1.36E+09 | | Glutaraldehyde | 111-30-8 | | | | | | | 1.1E+05 | 1.1E+05 |
| | | | | 4.0E-04 | I | 1.0E-03 | H | | | 1 | 0.1 | | 1.36E+09 | | Glycidyl | 765-34-4 | | | | | 3.1E+01 | 1.1E+02 | 1.4E+06 | 2.4E+01 |
| | | | | 1.0E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Glyphosate | 1071-83-6 | | | | | 7.8E+03 | 2.8E+04 | | 6.1E+03 |
| | | | | 3.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Goal | 42874-03-3 | | | | | 2.3E+02 | 8.4E+02 | | 1.8E+02 |
| | | | | 3.0E-03 | A | 1.0E-02 | A | | | 1 | 0.1 | | 1.36E+09 | | Guthion | 86-50-0 | | | | | 2.3E+02 | 8.4E+02 | 1.4E+07 | 1.8E+02 |
| | | | | 5.0E-05 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Haloxyfop, Methyl | 69806-40-2 | | | | | 3.9E+00 | 1.4E+01 | | 3.1E+00 |
| | | | | 1.3E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Harmony | 79277-27-3 | | | | | 1.0E+03 | 3.6E+03 | | 7.9E+02 |
| 4.5E+00 | I | 1.3E-03 | I | 5.0E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Heptachlor | 76-44-8 | 1.4E-01 | 4.5E-01 | 2.5E+03 | 1.1E-01 | 3.9E+01 | 1.4E+02 | | 3.1E+01 |
| 9.1E+00 | I | 2.6E-03 | I | 1.3E-05 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Heptachlor Epoxide | 1024-57-3 | 7.0E-02 | 2.2E-01 | 1.3E+03 | 5.3E-02 | 1.0E+00 | 3.6E+00 | | 7.9E-01 |
| | | | | 2.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Hexabromobenzene | 87-82-1 | | | | | 1.6E+02 | 5.6E+02 | | 1.2E+02 |
| | | | | 2.0E-04 | I | | | | | | | | 1.36E+09 | | Hexabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-153) | 68631-49-2 | | | | | 1.6E+01 | | | 1.6E+01 |
| 1.6E+00 | I | 4.6E-04 | I | 8.0E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Hexachlorobenzene | 118-74-1 | 4.0E-01 | 1.3E+00 | 7.2E+03 | 3.0E-01 | 6.3E+01 | 2.2E+02 | | 4.9E+01 |
| 7.8E-02 | I | 2.2E-05 | I | 1.0E-03 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Hexachlorobutadiene | 87-68-3 | 8.2E+00 | 2.6E+01 | 1.5E+05 | 6.2E+00 | 7.8E+01 | 2.8E+02 | | 6.1E+01 |
| 6.3E+00 | I | 1.8E-03 | I | 8.0E-03 | A | | | | | 1 | 0.1 | | 1.36E+09 | | Hexachlorocyclohexane, Alpha- | 319-84-6 | 1.0E-01 | 3.2E-01 | 1.8E+03 | 7.7E-02 | 6.3E+02 | 2.2E+03 | | 4.9E+02 |
| 1.8E+00 | I | 5.3E-04 | I | | | | | | | 1 | 0.1 | | 1.36E+09 | | Hexachlorocyclohexane, Beta- | 319-85-7 | 3.5E-01 | 1.1E+00 | 6.2E+03 | 2.7E-01 | | | | |
| 1.1E+00 | C | 3.1E-04 | C | 3.0E-04 | I | | | | | 1 | 0.04 | | 1.36E+09 | | Hexachlorocyclohexane, Gamma- (Lindane) | 58-89-9 | 5.8E-01 | 4.6E+00 | 1.1E+04 | 5.2E-01 | 2.3E+01 | 2.1E+02 | | 2.1E+01 |
| 1.8E+00 | I | 5.1E-04 | I | | | | | | | 1 | 0.1 | | 1.36E+09 | | Hexachlorocyclohexane, Technical | 608-73-1 | 3.5E-01 | 1.1E+00 | 6.5E+03 | 2.7E-01 | | | | |
| | | | | 6.0E-03 | I | 2.0E-04 | I | | | 1 | 0.1 | | 1.36E+09 | | Hexachlorocyclopentadiene | 77-47-4 | | | | | 4.7E+02 | 1.7E+03 | 2.8E+05 | 3.7E+02 |
| 1.4E-02 | I | 4.0E-06 | I | 1.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Hexachloroethane | 67-72-1 | 4.6E+01 | 1.4E+02 | 8.3E+05 | 3.5E+01 | 7.8E+01 | 2.8E+02 | | 6.1E+01 |
| | | | | 3.0E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Hexachlorophene | 70-30-4 | | | | | 2.3E+01 | 8.4E+01 | | 1.8E+01 |
| 1.1E-01 | I | | | 3.0E-03 | I | | | | | 1 | 0.015 | | 1.36E+09 | | Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) | 121-82-4 | 5.8E+00 | 1.2E+02 | | 5.5E+00 | 2.3E+02 | 5.6E+03 | | 2.3E+02 |
| | | | | | | 1.0E-05 | I | V | | 1 | | 5.19E+03 | 1.36E+09 | 3.23E+05 | Hexamethylene Diisocyanate, 1,6- | 822-06-0 | | | | | | | 3.4E+00 | 3.4E+00 |
| | | | | 6.0E-02 | H | 7.0E-01 | I | V | | 1 | | 1.41E+02 | 1.36E+09 | 8.93E+02 | Hexane, N- | 110-54-3 | | | | | 4.7E+03 | | 6.5E+02 | 5.7E+02 |
| | | | | 2.0E+00 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Hexanedioic Acid | 124-04-9 | | | | | 1.6E+05 | 5.6E+05 | | 1.2E+05 |
| | | | | 5.0E-03 | I | 3.0E-02 | I | V | | 1 | | 3.28E+03 | 1.36E+09 | 1.43E+04 | Hexanone, 2- | 591-78-6 | | | | | 3.9E+02 | | 4.5E+02 | 2.1E+02 |
| | | | | 3.3E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Hexazinone | 51235-04-2 | | | | | 2.6E+03 | 9.2E+03 | | 2.0E+03 |
| 3.0E+00 | I | 4.9E-03 | I | | | 3.0E-05 | P | | | 1 | | | 1.36E+09 | | Hydrazine | 302-01-2 | 2.1E-01 | | 6.8E+02 | 2.1E-01 | | | 4.3E+04 | 4.3E+04 |
| 3.0E+00 | I | 4.9E-03 | I | | | | | | | 1 | | | 1.36E+09 | | Hydrazine Sulfate | 10034-93-2 | 2.1E-01 | | 6.8E+02 | 2.1E-01 | | | | |
| | | | | | | 2.0E-02 | I | | | 1 | | | 1.36E+09 | | Hydrogen Chloride | 7647-01-0 | | | | | | | 2.8E+07 | 2.8E+07 |
| | | | | 4.0E-02 | C | 1.4E-02 | C | | | 1 | | | 1.36E+09 | | Hydrogen Fluoride | 7664-39-3 | | | | | 3.1E+03 | | 2.0E+07 | 3.1E+03 |
| | | | | | | 2.0E-03 | I | | | 1 | | | 1.36E+09 | | Hydrogen Sulfide | 7783-06-4 | | | | | | | 2.8E+06 | 2.8E+06 |
| 6.0E-02 | P | | | 4.0E-02 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Hydroquinone | 123-31-9 | 1.1E+01 | 3.4E+01 | | 8.1E+00 | 3.1E+03 | 1.1E+04 | | 2.4E+03 |
| | | | | 1.3E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Imazalil | 35554-44-0 | | | | | 1.0E+03 | 3.6E+03 | | 7.9E+02 |
| | | | | 2.5E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Imazaquin | 81335-37-7 | | | | | 2.0E+04 | 7.0E+04 | | 1.5E+04 |
| | | | | 1.0E-02 | A | | | | | | | | 1.36E+09 | | Iodine | 7553-56-2 | | | | | 7.8E+02 | | | 7.8E+02 |
| | | | | 4.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Iprodione | 36734-19-7 | | | | | 3.1E+03 | 1.1E+04 | | 2.4E+03 |
| | | | | 7.0E-01 | P | | | | | 1 | | | 1.36E+09 | | Iron | 7439-89-6 | | | | | 5.5E+04 | | | 5.5E+04 |
| | | | | 3.0E-01 | I | | | | V | 1 | | 1.00E+04 | 1.36E+09 | 3.03E+04 | Isobutyl Alcohol | 78-83-1 | | | | | 2.3E+04 | | | 2.3E+04 |
| 9.5E-04 | I | | | 2.0E-01 | I | 2.0E+00 | C | | | 1 | 0.1 | | 1.36E+09 | | Isophorone | 78-59-1 | 6.7E+02 | 2.1E+03 | | 5.1E+02 | 1.6E+04 | 5.6E+04 | 2.8E+09 | 1.2E+04 |
| | | | | 1.5E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Isopropalin | 33820-53-0 | | | | | 1.2E+03 | 4.2E+03 | | 9.2E+02 |
| | | | | | | 7.0E+00 | C | | | 1 | 0.1 | | 1.36E+09 | | Isopropanol | 67-63-0 | | | | | | | 9.9E+09 | 9.9E+09 |
| | | | | 1.0E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Isopropyl Methyl Phosphonic Acid | 1832-54-8 | | | | | 7.8E+03 | 2.8E+04 | | 6.1E+03 |
| | | | | 5.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Isoxaben | 82558-50-7 | | | | | 3.9E+03 | 1.4E+04 | | 3.1E+03 |
| | | | | | | 3.0E-01 | A | V | | 1 | | | 1.36E+09 | | JP-7 | NA | | | | | | | 4.3E+08 | 4.3E+08 |
| | | | | 7.5E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Kerb | 23950-58-5 | | | | | 5.9E+03 | 2.1E+04 | | 4.6E+03 |
| | | | | 2.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Lactofen | 77501-63-4 | | | | | 1.6E+02 | 5.6E+02 | | 1.2E+02 |
| | | | | | | | | | | | | | | | **Lead Compounds** | | | | | | | | | |
| 2.8E-01 | C | 8.0E-05 | C | | | | | | | | | | 1.36E+09 | | ~Lead acetate | 301-04-2 | 2.3E+00 | | 4.1E+04 | 2.3E+00 | | | | |
| | | | | | | | | | | 1 | | | 1.36E+09 | | ~Lead and Compounds | 7439-92-1 | | | | | | | | 4.0E+02 |
| 3.8E-02 | C | 1.1E-05 | C | | | | | | | | | | 1.36E+09 | | ~Lead subacetate | 1335-32-6 | 1.7E+01 | | 3.0E+05 | 1.7E+01 | | | | |
| | | | | 1.0E-07 | I | | | | | 1 | 0.1 | | 1.36E+09 | | ~Tetraethyl Lead | 78-00-2 | | | | | 7.8E-03 | 2.8E-02 | | 6.1E-03 |
| | | | | 2.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Linuron | 330-55-2 | | | | | 1.6E+02 | 5.6E+02 | | 1.2E+02 |
| | | | | 2.0E-03 | P | | | | | 1 | | | 1.36E+09 | | Lithium | 7439-93-2 | | | | | 1.6E+02 | | | 1.6E+02 |
| | | | | 7.0E-04 | I | | | | | 1 | | | 1.36E+09 | | Lithium Perchlorate | 7791-03-9 | | | | | 5.5E+01 | | | 5.5E+01 |

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ #29; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

| Toxicity and Chemical-specific Information | | | | | | | | | | | | | | Contaminant | | Carcinogenic Target Risk (TR) = 1E-06 | | | | Noncancer Hazard Index (HI) = 1 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SFO (mg/kg-day)$^{-1}$ | key | IUR (ug/m$^3$)$^{-1}$ | key | $RfD_o$ (mg/kg-day) | key | $RfC_i$ (mg/m$^3$) | key | voc | muta-gen | GIABS | ABS | $C_{sat}$ (mg/kg) | PEF (m$^3$/kg) | VF (m$^3$/kg) | Analyte | CAS No. | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) |
| | | | | 2.0E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Londax | 83055-99-6 | | | | | 1.6E+04 | 5.6E+04 | | 1.2E+04 |
| | | | | 5.0E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | MCPA | 94-74-6 | | | | | 3.9E+01 | 1.4E+02 | | 3.1E+01 |
| | | | | 1.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | MCPB | 94-81-5 | | | | | 7.8E+02 | 2.8E+03 | | 6.1E+02 |
| | | | | 1.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | MCPP | 93-65-2 | | | | | 7.8E+01 | 2.8E+02 | | 6.1E+01 |
| | | | | 2.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Malathion | 121-75-5 | | | | | 1.6E+03 | 5.6E+03 | | 1.2E+03 |
| | | | | 1.0E-01 | I | 7.0E-04 | C | | | 1 | 0.1 | | 1.36E+09 | | Maleic Anhydride | 108-31-6 | | | | | 7.8E+03 | 2.8E+04 | 9.9E+05 | 6.1E+03 |
| | | | | 5.0E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Maleic Hydrazide | 123-33-1 | | | | | 3.9E+04 | 1.4E+05 | | 3.1E+04 |
| | | | | 1.0E-04 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Malononitrile | 109-77-3 | | | | | 7.8E+00 | 2.8E+01 | | 6.1E+00 |
| | | | | 3.0E-02 | H | | | | | 1 | 0.1 | | 1.36E+09 | | Mancozeb | 8018-01-7 | | | | | 2.3E+03 | 8.4E+03 | | 1.8E+03 |
| | | | | 5.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Maneb | 12427-38-2 | | | | | 3.9E+02 | 1.4E+03 | | 3.1E+02 |
| | | | | 1.4E-01 | I | 5.0E-05 | I | | | 1 | | | | | Manganese (Diet) | 7439-96-5 | | | | | | | | |
| | | | | 2.4E-02 | I | 5.0E-05 | I | | | 0.04 | | | 1.36E+09 | | Manganese (Water) | 7439-96-5 | | | | | 1.9E+03 | | 7.1E+04 | 1.8E+03 |
| | | | | 9.0E-05 | H | | | | | 1 | 0.1 | | 1.36E+09 | | Mephosfolan | 950-10-7 | | | | | 7.0E+00 | 2.5E+01 | | 5.5E+00 |
| | | | | 3.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Mepiquat Chloride | 24307-26-4 | | | | | 2.3E+03 | 8.4E+03 | | 1.8E+03 |
| | | | | | | | | | | | | | | | **Mercury Compounds** | | | | | | | | | |
| | | | | 3.0E-04 | I | 3.0E-05 | C | | | 0.07 | | | 1.36E+09 | | ~Mercuric Chloride | 7487-94-7 | | | | | 2.3E+01 | | 4.3E+04 | 2.3E+01 |
| | | | | 3.0E-04 | S | | | | | 1 | | | 1.36E+09 | | ~Mercuric Sulfide | 1344-48-5 | | | | | 2.3E+01 | | | 2.3E+01 |
| | | | | 1.6E-04 | C | 3.0E-04 | I | V | | 1 | | 3.13E+00 | 1.36E+09 | 3.24E+04 | ~Mercury (elemental) | 7439-97-6 | | | | | 1.3E+01 | | 1.0E+01 | 5.6E+00 |
| | | | | 3.0E-04 | S | | | | | 0.07 | | | 1.36E+09 | | ~Mercury, Inorganic Salts | NA | | | | | 2.3E+01 | | | 2.3E+01 |
| | | | | 1.0E-04 | I | | | | | 1 | | | 1.36E+09 | | ~Methyl Mercury | 22967-92-6 | | | | | 7.8E+00 | | | 7.8E+00 |
| | | | | 8.0E-05 | I | | | | | 1 | 0.1 | | 1.36E+09 | | ~Phenylmercuric Acetate | 62-38-4 | | | | | 6.3E+00 | 2.2E+01 | | 4.9E+00 |
| | | | | 3.0E-05 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Merphos | 150-50-5 | | | | | 2.3E+00 | 8.4E+00 | | 1.8E+00 |
| | | | | 3.0E-05 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Merphos Oxide | 78-48-8 | | | | | 2.3E+00 | 8.4E+00 | | 1.8E+00 |
| | | | | 6.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Metalaxyl | 57837-19-1 | | | | | 4.7E+03 | 1.7E+04 | | 3.7E+03 |
| | | | | 1.0E-04 | I | 7.0E-04 | H | V | | 1 | | 4.58E+03 | 1.36E+09 | 7.31E+03 | Methacrylonitrile | 126-98-7 | | | | | 7.8E+00 | | 5.3E+00 | 3.2E+00 |
| | | | | 5.0E-05 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Methamidophos | 10265-92-6 | | | | | 3.9E+00 | 1.4E+01 | | 3.1E+00 |
| | | | | 5.0E-01 | I | 4.0E+00 | C | | | 1 | 0.1 | | 1.36E+09 | | Methanol | 67-56-1 | | | | | 3.9E+04 | 1.4E+05 | 5.7E+09 | 3.1E+04 |
| | | | | 1.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Methidathion | 950-37-8 | | | | | 7.8E+01 | 2.8E+02 | | 6.1E+01 |
| | | | | 2.5E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Methomyl | 16752-77-5 | | | | | 2.0E+03 | 7.0E+03 | | 1.5E+03 |
| 4.9E-02 | C | 1.4E-05 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Methoxy-5-nitroaniline, 2- | 99-59-2 | 1.3E+01 | 4.1E+01 | 2.4E+05 | 9.9E+00 | | | | |
| | | | | 5.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Methoxychlor | 72-43-5 | | | | | 3.9E+02 | 1.4E+03 | | 3.1E+02 |
| | | | | 2.0E-03 | H | 9.0E-02 | C | | | 1 | 0.1 | | 1.36E+09 | | Methoxyethanol Acetate, 2- | 110-49-6 | | | | | 1.6E+02 | 5.6E+02 | 1.3E+08 | 1.2E+02 |
| | | | | 3.0E-03 | P | 2.0E-02 | I | | | 1 | 0.1 | | 1.36E+09 | | Methoxyethanol, 2- | 109-86-4 | | | | | 2.3E+02 | 8.4E+02 | 2.8E+07 | 1.8E+02 |
| | | | | 1.0E+00 | H | | | V | | 1 | | 2.90E+04 | 1.36E+09 | 8.74E+03 | Methyl Acetate | 79-20-9 | | | | | 7.8E+04 | | | 7.8E+04 |
| | | | | 3.0E-02 | H | | | V | | 1 | | 6.75E+03 | 1.36E+09 | 7.51E+03 | Methyl Acrylate | 96-33-3 | | | | | 2.3E+03 | | | 2.3E+03 |
| | | | | 6.0E-01 | I | 5.0E+00 | I | V | | 1 | | 2.84E+04 | 1.36E+09 | 1.31E+04 | Methyl Ethyl Ketone (2-Butanone) | 78-93-3 | | | | | 4.7E+04 | | 6.8E+04 | 2.8E+04 |
| | | | | 8.0E-02 | H | 3.0E+00 | I | V | | 1 | | 3.36E+03 | 1.36E+09 | 1.14E+04 | Methyl Isobutyl Ketone (4-methyl-2-pentanone) | 108-10-1 | | | | | 6.3E+03 | | 3.6E+04 | 5.3E+03 |
| | | | | | | 1.0E-03 | C | | | | | | 1.36E+09 | | Methyl Isocyanate | 624-83-9 | | | | | | | 1.4E+06 | 1.4E+06 |
| | | | | 1.4E+00 | I | 7.0E-01 | I | V | | 1 | | 2.36E+03 | 1.36E+09 | 6.81E+03 | Methyl Methacrylate | 80-62-6 | | | | | 1.1E+05 | | 5.0E+03 | 4.8E+03 |
| | | | | 2.5E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Methyl Parathion | 298-00-0 | | | | | 2.0E+01 | 7.0E+01 | | 1.5E+01 |
| | | | | 6.0E-02 | X | | | | | 1 | 0.1 | | 1.36E+09 | | Methyl Phosphonic Acid | 993-13-5 | | | | | 4.7E+03 | 1.7E+04 | | 3.7E+03 |
| | | | | 6.0E-03 | H | 4.0E-02 | H | V | | 1 | | 3.83E+02 | 1.36E+09 | 1.23E+04 | Methyl Styrene (Mixed Isomers) | 25013-15-4 | | | | | 4.7E+02 | | 5.1E+02 | 2.5E+02 |
| 9.9E-02 | C | 2.8E-05 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Methyl methanesulfonate | 66-27-3 | 6.5E+00 | 2.0E+01 | 1.2E+05 | 4.9E+00 | | | | |
| 1.8E-03 | C | 2.6E-07 | C | | | 3.0E+00 | I | V | | 1 | | 8.87E+03 | 1.36E+09 | 5.28E+03 | Methyl tert-Butyl Ether (MTBE) | 1634-04-4 | 3.5E+02 | | 4.9E+01 | 4.3E+01 | | | 1.7E+04 | 1.7E+04 |
| 3.3E-02 | H | | | | | | | | | 1 | 0.1 | | 1.36E+09 | | Methyl-5-Nitroaniline, 2- | 99-55-8 | 1.9E+01 | 6.1E+01 | | 1.5E+01 | | | | |
| 8.3E+00 | C | 2.4E-03 | C | | | | | | | | | | 1.36E+09 | | Methyl-N-nitro-N-nitrosoguanidine, N- | 70-25-7 | 7.7E-02 | | 1.4E+03 | 7.7E-02 | | | | |
| 1.3E-01 | C | 3.7E-05 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Methylaniline Hydrochloride, 2- | 636-21-5 | 4.9E+00 | 1.6E+01 | 8.9E+04 | 3.7E+00 | | | | |
| | | | | 1.0E-02 | A | | | | | 1 | 0.1 | | 1.36E+09 | | Methylarsonic acid | 124-58-3 | | | | | 7.8E+02 | 2.8E+03 | | 6.1E+02 |
| 2.2E+01 | C | 6.3E-03 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Methylcholanthrene, 3- | 56-49-5 | 2.9E-02 | 9.2E-02 | 5.3E+02 | 2.2E-02 | | | | |
| 7.5E-03 | I | 4.7E-07 | I | 6.0E-02 | I | 1.0E+00 | A | V | | 1 | | 3.32E+03 | 1.36E+09 | 2.36E+03 | Methylene Chloride | 75-09-2 | 8.5E+01 | | 1.2E+01 | 1.1E+01 | 4.7E+03 | | 2.6E+03 | 1.7E+03 |
| 1.0E-01 | P | 4.3E-04 | C | 2.0E-03 | P | | | | M | 1 | 0.1 | | 1.36E+09 | | Methylene-bis(2-chloroaniline), 4,4'- | 101-14-4 | 1.5E+00 | 5.1E+00 | 3.0E+03 | 1.2E+00 | 1.6E+02 | 5.6E+02 | | 1.2E+02 |
| 4.6E-02 | I | 1.3E-05 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Methylene-bis(N,N-dimethyl) Aniline, 4,4'- | 101-61-1 | 1.4E+01 | 4.4E+01 | 2.5E+05 | 1.1E+01 | | | | |
| 1.6E+00 | C | 4.6E-04 | C | | | 2.0E-02 | C | | | 1 | 0.1 | | 1.36E+09 | | Methylenebisbenzenamine, 4,4'- | 101-77-9 | 4.0E-01 | 1.3E+00 | 7.2E+03 | 3.0E-01 | | | 2.8E+07 | 2.8E+07 |
| | | | | | | 6.0E-04 | I | | | 1 | 0.1 | | 1.36E+09 | | Methylenediphenyl Diisocyanate | 101-68-8 | | | | | | | 8.5E+05 | 8.5E+05 |
| | | | | 7.0E-02 | H | | | V | | 1 | | 5.00E+02 | 1.36E+09 | 1.38E+04 | Methylstyrene, Alpha- | 98-83-9 | | | | | 5.5E+03 | | | 5.5E+03 |

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ #29; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

| Toxicity and Chemical-specific Information | | | | | | | | | | | | | | | Contaminant | | Carcinogenic Target Risk (TR) = 1E-06 | | | | Noncancer Hazard Index (HI) = 1 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SFO (mg/kg-day)$^{-1}$ | key | IUR (ug/m$^3$)$^{-1}$ | key | $RfD_o$ (mg/kg-day) | key | $RfC_i$ (mg/m$^3$) | key | voc | muta-gen | GIABS | ABS | $C_{sat}$ (mg/kg) | PEF (m$^3$/kg) | VF (m$^3$/kg) | Analyte | CAS No. | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) |
| | | | | 1.5E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Metolachlor | 51218-45-2 | | | | | 1.2E+04 | 4.2E+04 | | 9.2E+03 |
| | | | | 2.5E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Metribuzin | 21087-64-9 | | | | | 2.0E+03 | 7.0E+03 | | 1.5E+03 |
| | | | | 3.0E+00 | P | | | | | | | | 1.36E+09 | | Mineral oils | 8012-95-1 | | | | | 2.3E+05 | | | 2.3E+05 |
| 1.8E+01 | C | 5.1E-03 | C | 2.0E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Mirex | 2385-85-5 | 3.5E-02 | 1.1E-01 | 6.5E+02 | 2.7E-02 | 1.6E+01 | 5.6E+01 | | 1.2E+01 |
| | | | | 2.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Molinate | 2212-67-1 | | | | | 1.6E+02 | 5.6E+02 | | 1.2E+02 |
| | | | | 5.0E-03 | I | | | | | 1 | | | 1.36E+09 | | Molybdenum | 7439-98-7 | | | | | 3.9E+02 | | | 3.9E+02 |
| | | | | 1.0E-01 | I | | | | | 1 | | | 1.36E+09 | | Monochloramine | 10599-90-3 | | | | | 7.8E+03 | | | 7.8E+03 |
| | | | | 2.0E-03 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Monomethylaniline | 100-61-8 | | | | | 1.6E+02 | 5.6E+02 | | 1.2E+02 |
| | | | | 3.0E-04 | X | | | | | 1 | 0.1 | | 1.36E+09 | | N,N'-Diphenyl-1,4-benzenediamine | 74-31-7 | | | | | 2.3E+01 | 8.4E+01 | | 1.8E+01 |
| | | | | 2.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Naled | 300-76-5 | | | | | 1.6E+02 | 5.6E+02 | | 1.2E+02 |
| | | | | 3.0E-02 | X | 1.0E-01 | P | V | | | | | 1.36E+09 | | Naphtha, High Flash Aromatic (HFAN) | 64724-95-6 | | | | | 2.3E+03 | | 1.4E+08 | 2.3E+03 |
| 1.8E+00 | C | 0.0E+00 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Naphthylamine, 2- | 91-59-8 | 3.5E-01 | 1.1E+00 | | 2.7E-01 | | | | |
| | | | | 1.0E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Napropamide | 15299-99-7 | | | | | 7.8E+03 | 2.8E+04 | | 6.1E+03 |
| | | | | 5.0E-02 | C | 5.0E-05 | C | | | 0.04 | | | 1.36E+09 | | Nickel Carbonyl | 13463-39-3 | | | | | 3.9E+03 | | 7.1E+04 | 3.7E+03 |
| | | | | 5.0E-02 | C | 1.0E-04 | C | | | | | | 1.36E+09 | | Nickel Oxide | 1313-99-1 | | | | | 3.9E+03 | | 1.4E+05 | 3.8E+03 |
| | | 2.4E-04 | I | 5.0E-02 | C | 5.0E-05 | C | | | 0.04 | | | 1.36E+09 | | Nickel Refinery Dust | NA | | | 1.4E+04 | 1.4E+04 | 3.9E+03 | | 7.1E+04 | 3.7E+03 |
| | | 2.6E-04 | C | 2.0E-02 | I | 9.0E-05 | A | | | 0.04 | | | 1.36E+09 | | Nickel Soluble Salts | 7440-02-0 | | | 1.3E+04 | 1.3E+04 | 1.6E+03 | | 1.3E+05 | 1.5E+03 |
| 1.7E+00 | C | 4.8E-04 | I | 5.0E-02 | C | 5.0E-05 | C | | | 0.04 | | | 1.36E+09 | | Nickel Subsulfide | 12035-72-2 | 3.8E-01 | | 6.9E+03 | 3.8E-01 | 3.9E+03 | | 7.1E+04 | 3.7E+03 |
| | | | | 1.6E+00 | I | | | | | 1 | | | 1.36E+09 | | Nitrate | 14797-55-8 | | | | | 1.3E+05 | | | 1.3E+05 |
| | | | | 1.0E-01 | I | | | | | 1 | | | 1.36E+09 | | Nitrite | 14797-65-0 | | | | | 7.8E+03 | | | 7.8E+03 |
| | | | | 1.0E-02 | X | 5.0E-05 | X | | | 1 | 0.1 | | 1.36E+09 | | Nitroaniline, 2- | 88-74-4 | | | | | 7.8E+02 | 2.8E+03 | 7.1E+04 | 6.1E+02 |
| 2.0E-02 | P | | | 4.0E-03 | P | 6.0E-03 | P | | | 1 | 0.1 | | 1.36E+09 | | Nitroaniline, 4- | 100-01-6 | 3.2E+01 | 1.0E+02 | | 2.4E+01 | 3.1E+02 | 1.1E+03 | 8.5E+06 | 2.4E+02 |
| | | 4.0E-05 | I | 2.0E-03 | I | 9.0E-03 | I | V | | 1 | | 3.05E+03 | 1.36E+09 | 7.88E+04 | Nitrobenzene | 98-95-3 | | | 4.8E+00 | 4.8E+00 | 1.6E+02 | | 7.4E+02 | 1.3E+02 |
| | | | | 3.0E+03 | P | | | | | | | | 1.36E+09 | | Nitrocellulose | 9004-70-0 | | | | | 2.3E+08 | | | 2.3E+08 |
| | | | | 7.0E-02 | H | | | | | 1 | 0.1 | | 1.36E+09 | | Nitrofurantoin | 67-20-9 | | | | | 5.5E+03 | 2.0E+04 | | 4.3E+03 |
| 1.3E+00 | C | 3.7E-04 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Nitrofurazone | 59-87-0 | 4.9E-01 | 1.6E+00 | 8.9E+03 | 3.7E-01 | | | | |
| 1.7E-02 | P | | | 1.0E-04 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Nitroglycerin | 55-63-0 | 3.8E+01 | 1.2E+02 | | 2.9E+01 | 7.8E+00 | 2.8E+01 | | 6.1E+00 |
| | | | | 1.0E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Nitroguanidine | 556-88-7 | | | | | 7.8E+03 | 2.8E+04 | | 6.1E+03 |
| | | 9.0E-06 | P | | | 2.0E-02 | P | V | | 1 | | 1.80E+04 | 1.36E+09 | 1.82E+04 | Nitromethane | 75-52-5 | | | 4.9E+00 | 4.9E+00 | | | 3.8E+02 | 3.8E+02 |
| | | 2.7E-03 | H | | | 2.0E-02 | I | V | | 1 | | 4.86E+03 | 1.36E+09 | 1.41E+04 | Nitropropane, 2- | 79-46-9 | | | 1.3E-02 | 1.3E-02 | | | 2.9E+02 | 2.9E+02 |
| 2.7E+01 | C | 7.7E-03 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Nitroso-N-ethylurea, N- | 759-73-9 | 2.4E-02 | 7.5E-02 | 4.3E+02 | 1.8E-02 | | | | |
| 1.2E+02 | C | 3.4E-02 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Nitroso-N-methylurea, N- | 684-93-5 | 5.3E-03 | 1.7E-02 | 9.7E+01 | 4.0E-03 | | | | |
| 5.4E+00 | I | 1.6E-03 | I | | | | | V | | 1 | | 7.10E+03 | 1.36E+09 | 2.12E+05 | Nitroso-di-N-butylamine, N- | 924-16-3 | 1.2E-01 | | 3.2E-01 | 8.7E-02 | | | | |
| 7.0E+00 | I | 2.0E-03 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Nitroso-di-N-propylamine, N- | 621-64-7 | 9.1E-02 | 2.9E-01 | 1.7E+03 | 6.9E-02 | | | | |
| 2.8E+00 | I | 8.0E-04 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Nitrosodiethanolamine, N- | 1116-54-7 | 2.3E-01 | 7.2E-01 | 4.1E+03 | 1.7E-01 | | | | |
| 1.5E+02 | I | 4.3E-02 | I | | | | | | M | 1 | 0.1 | | 1.36E+09 | | Nitrosodiethylamine, N- | 55-18-5 | 9.9E-04 | 3.4E-03 | 3.0E+01 | 7.7E-04 | | | | |
| 5.1E+01 | I | 1.4E-02 | I | 8.0E-06 | P | 4.0E-05 | X | | M | 1 | 0.1 | | 1.36E+09 | | Nitrosodimethylamine, N- | 62-75-9 | 2.9E-03 | 9.9E-03 | 9.3E+01 | 2.3E-03 | 6.3E-01 | 2.2E+00 | 5.7E+04 | 4.9E-01 |
| 4.9E-03 | I | 2.6E-06 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Nitrosodiphenylamine, N- | 86-30-6 | 1.3E+02 | 4.1E+02 | 1.3E+06 | 9.9E+01 | | | | |
| 2.2E+01 | I | 6.3E-03 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Nitrosomethylethylamine, N- | 10595-95-6 | 2.9E-02 | 9.2E-02 | 5.3E+02 | 2.2E-02 | | | | |
| 6.7E+00 | C | 1.9E-03 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Nitrosomorpholine [N-] | 59-89-2 | 9.5E-02 | 3.0E-01 | 1.7E+03 | 7.2E-02 | | | | |
| 9.4E+00 | C | 2.7E-03 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Nitrosopiperidine [N-] | 100-75-4 | 6.8E-02 | 2.2E-01 | 1.2E+03 | 5.2E-02 | | | | |
| 2.1E+00 | I | 6.1E-04 | I | | | | | | | 1 | 0.1 | | 1.36E+09 | | Nitrosopyrrolidine, N- | 930-55-2 | 3.0E-01 | 9.6E-01 | 5.4E+03 | 2.3E-01 | | | | |
| | | | | 1.0E-04 | X | | | | | 1 | 0.1 | | 1.36E+09 | | Nitrotoluene, m- | 99-08-1 | | | | | 7.8E+00 | 2.8E+01 | | 6.1E+00 |
| 2.2E-01 | P | | | 9.0E-04 | P | | | V | | 1 | | 1.51E+03 | 1.36E+09 | 1.47E+05 | Nitrotoluene, o- | 88-72-2 | 2.9E+00 | | | 2.9E+00 | 7.0E+01 | | | 7.0E+01 |
| 1.6E-02 | P | | | 4.0E-03 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Nitrotoluene, p- | 99-99-0 | 4.0E+01 | 1.3E+02 | | 3.0E+01 | 3.1E+02 | 1.1E+03 | | 2.4E+02 |
| | | | | 3.0E-04 | X | 2.0E-01 | P | V | | | | 6.86E+00 | 1.36E+09 | 1.12E+03 | Nonane, n- | 111-84-2 | | | | | 2.3E+01 | | 2.3E+02 | 2.1E+01 |
| | | | | 4.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Norflurazon | 27314-13-2 | | | | | 3.1E+03 | 1.1E+04 | | 2.4E+03 |
| | | | | 7.0E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Nustar | 85509-19-9 | | | | | 5.5E+01 | 2.0E+02 | | 4.3E+01 |
| | | | | 3.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Octabromodiphenyl Ether | 32536-52-0 | | | | | 2.3E+02 | 8.4E+02 | | 1.8E+02 |
| | | | | 5.0E-02 | I | | | | | 1 | 0.006 | | 1.36E+09 | | Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetra (HMX) | 2691-41-0 | | | | | 3.9E+03 | 2.3E+05 | | 3.8E+03 |
| | | | | 2.0E-03 | H | | | | | 1 | 0.1 | | 1.36E+09 | | Octamethylpyrophosphoramide | 152-16-9 | | | | | 1.6E+02 | 5.6E+02 | | 1.2E+02 |
| | | | | 5.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Oryzalin | 19044-88-3 | | | | | 3.9E+03 | 1.4E+04 | | 3.1E+03 |
| | | | | 5.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Oxadiazon | 19666-30-9 | | | | | 3.9E+02 | 1.4E+03 | | 3.1E+02 |
| | | | | 2.5E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Oxamyl | 23135-22-0 | | | | | 2.0E+03 | 7.0E+03 | | 1.5E+03 |
| | | | | 1.3E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Paclobutrazol | 76738-62-0 | | | | | 1.0E+03 | 3.6E+03 | | 7.9E+02 |

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ #29; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

| Toxicity and Chemical-specific Information | | | | | | | | | | | | | | | Contaminant | | Carcinogenic Target Risk (TR) = 1E-06 | | | | Noncancer Hazard Index (HI) = 1 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SFO (mg/kg-day)$^{-1}$ | key | IUR (ug/m$^3$)$^{-1}$ | key | $RfD_o$ (mg/kg-day) | key | $RfC_i$ (mg/m$^3$) | key | voc | muta-gen | GIABS | ABS | $C_{sat}$ (mg/kg) | PEF (m$^3$/kg) | VF (m$^3$/kg) | Analyte | CAS No. | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) |
| | | | | 4.5E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Paraquat Dichloride | 1910-42-5 | | | | | 3.5E+02 | 1.3E+03 | | 2.7E+02 |
| | | | | 6.0E-03 | H | | | | | 1 | 0.1 | | 1.36E+09 | | Parathion | 56-38-2 | | | | | 4.7E+02 | 1.7E+03 | | 3.7E+02 |
| | | | | 5.0E-02 | H | | | | | 1 | 0.1 | | 1.36E+09 | | Pebulate | 1114-71-2 | | | | | 3.9E+03 | 1.4E+04 | | 3.1E+03 |
| | | | | 4.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Pendimethalin | 40487-42-1 | | | | | 3.1E+03 | 1.1E+04 | | 2.4E+03 |
| | | | | 2.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Pentabromodiphenyl Ether | 32534-81-9 | | | | | 1.6E+02 | 5.6E+02 | | 1.2E+02 |
| | | | | 1.0E-04 | I | | | | | | | | 1.36E+09 | | Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99) | 60348-60-9 | | | | | 7.8E+00 | | | 7.8E+00 |
| | | | | 8.0E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Pentachlorobenzene | 608-93-5 | | | | | 6.3E+01 | 2.2E+02 | | 4.9E+01 |
| 9.0E-02 | P | | | | | | | | | 1 | 0.1 | | 1.36E+09 | | Pentachloroethane | 76-01-7 | 7.1E+00 | 2.2E+01 | | 5.4E+00 | | | | |
| 2.6E-01 | H | | | 3.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Pentachloronitrobenzene | 82-68-8 | 2.5E+00 | 7.8E+00 | | 1.9E+00 | 2.3E+02 | 8.4E+02 | | 1.8E+02 |
| 1.2E-01 | I | 5.1E-06 | C | 3.0E-02 | I | | | | | 1 | 0.25 | | 1.36E+09 | | Pentachlorophenol | 87-86-5 | 5.3E+00 | 6.7E+00 | 6.5E+05 | 3.0E+00 | 2.3E+03 | 3.4E+03 | | 1.4E+03 |
| | | | | | | 1.0E+00 | P | V | | | | 3.88E+02 | 1.36E+09 | 8.39E+02 | Pentane, n- | 109-66-0 | | | | | | | 8.7E+02 | 8.7E+02 |
| | | | | 7.0E-04 | I | | | | | 1 | | | 1.36E+09 | | Perchlorate and Perchlorate Salts | 14797-73-0 | | | | | 5.5E+01 | | | 5.5E+01 |
| | | | | 5.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Permethrin | 52645-53-1 | | | | | 3.9E+03 | 1.4E+04 | | 3.1E+03 |
| 2.2E-03 | C | 6.3E-07 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Phenacetin | 62-44-2 | 2.9E+02 | 9.2E+02 | 5.3E+06 | 2.2E+02 | | | | |
| | | | | 2.5E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Phenmedipham | 13684-63-4 | | | | | 2.0E+04 | 7.0E+04 | | 1.5E+04 |
| | | | | 3.0E-01 | I | 2.0E-01 | C | | | 1 | 0.1 | | 1.36E+09 | | Phenol | 108-95-2 | | | | | 2.3E+04 | 8.4E+04 | 2.8E+08 | 1.8E+04 |
| | | | | 6.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Phenylenediamine, m- | 108-45-2 | | | | | 4.7E+02 | 1.7E+03 | | 3.7E+02 |
| 4.7E-02 | H | | | | | | | | | 1 | 0.1 | | 1.36E+09 | | Phenylenediamine, o- | 95-54-5 | 1.4E+01 | 4.3E+01 | | 1.0E+01 | | | | |
| | | | | 1.9E-01 | H | | | | | 1 | 0.1 | | 1.36E+09 | | Phenylenediamine, p- | 106-50-3 | | | | | 1.5E+04 | 5.3E+04 | | 1.2E+04 |
| 1.9E-03 | H | | | | | | | | | 1 | 0.1 | | 1.36E+09 | | Phenylphenol, 2- | 90-43-7 | 3.3E+02 | 1.0E+03 | | 2.5E+02 | | | | |
| | | | | 2.0E-04 | H | | | | | 1 | 0.1 | | 1.36E+09 | | Phorate | 298-02-2 | | | | | 1.6E+01 | 5.6E+01 | | 1.2E+01 |
| | | | | | | 3.0E-04 | I | V | | 1 | | 1.61E+03 | 1.36E+09 | 1.06E+03 | Phosgene | 75-44-5 | | | | | | | 3.3E-01 | 3.3E-01 |
| | | | | 2.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Phosmet | 732-11-6 | | | | | 1.6E+03 | 5.6E+03 | | 1.2E+03 |
| | | | | 3.0E-04 | I | 3.0E-04 | I | | | 1 | | | 1.36E+09 | | Phosphine | 7803-51-2 | | | | | 2.3E+01 | | 4.3E+05 | 2.3E+01 |
| | | | | | | 1.0E-02 | I | | | 1 | | | 1.36E+09 | | Phosphoric Acid | 7664-38-2 | | | | | | | 1.4E+07 | 1.4E+07 |
| | | | | 2.0E-05 | I | | | | | 1 | | | 1.36E+09 | | Phosphorus, White | 7723-14-0 | | | | | 1.6E+00 | | | 1.6E+00 |
| | | | | 1.0E+00 | H | | | | | 1 | 0.1 | | 1.36E+09 | | Phthalic Acid, P- | 100-21-0 | | | | | 7.8E+04 | 2.8E+05 | | 6.1E+04 |
| | | | | 2.0E+00 | I | 2.0E-02 | C | | | 1 | 0.1 | | 1.36E+09 | | Phthalic Anhydride | 85-44-9 | | | | | 1.6E+05 | 5.6E+05 | 2.8E+07 | 1.2E+05 |
| | | | | 7.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Picloram | 1918-02-1 | | | | | 5.5E+03 | 2.0E+04 | | 4.3E+03 |
| | | | | 1.0E-04 | X | | | | | 1 | 0.1 | | 1.36E+09 | | Picramic Acid (2-Amino-4,6-dinitrophenol) | 96-91-3 | | | | | 7.8E+00 | 2.8E+01 | | 6.1E+00 |
| | | | | 1.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Pirimiphos, Methyl | 29232-93-7 | | | | | 7.8E+02 | 2.8E+03 | | 6.1E+02 |
| 3.0E+01 | C | 8.6E-03 | C | 7.0E-06 | H | | | | | 1 | 0.1 | | 1.36E+09 | | Polybrominated Biphenyls | 59536-65-1 | 2.1E-02 | 6.7E-02 | 3.8E+02 | 1.6E-02 | 5.5E-01 | 2.0E+00 | | 4.3E-01 |
| | | | | | | | | | | | | | | | **Polychlorinated Biphenyls (PCBs)** | | | | | | | | | |
| 7.0E-02 | I | 2.0E-05 | I | 7.0E-05 | I | | | | | 1 | 0.14 | | 1.36E+09 | | ~Aroclor 1016 | 12674-11-2 | 9.1E+00 | 2.1E+01 | 1.7E+05 | 6.3E+00 | 5.5E+00 | 1.4E+01 | | 3.9E+00 |
| 2.0E+00 | I | 5.7E-04 | I | | | | | V | | 1 | 0.14 | 7.57E+02 | 1.36E+09 | 9.16E+04 | ~Aroclor 1221 | 11104-28-2 | 3.2E-01 | 7.2E-01 | 3.9E-01 | 1.4E-01 | | | | |
| 2.0E+00 | I | 5.7E-04 | I | | | | | V | | 1 | 0.14 | 7.32E+01 | 1.36E+09 | 9.16E+04 | ~Aroclor 1232 | 11141-16-5 | 3.2E-01 | 7.2E-01 | 3.9E-01 | 1.4E-01 | | | | |
| 2.0E+00 | I | 5.7E-04 | I | | | | | | | 1 | 0.14 | | 1.36E+09 | | ~Aroclor 1242 | 53469-21-9 | 3.2E-01 | 7.2E-01 | 5.8E+03 | 2.2E-01 | | | | |
| 2.0E+00 | I | 5.7E-04 | I | | | | | | | 1 | 0.14 | | 1.36E+09 | | ~Aroclor 1248 | 12672-29-6 | 3.2E-01 | 7.2E-01 | 5.8E+03 | 2.2E-01 | | | | |
| 2.0E+00 | I | 5.7E-04 | I | 2.0E-05 | I | | | | | 1 | 0.14 | | 1.36E+09 | | ~Aroclor 1254 | 11097-69-1 | 3.2E-01 | 7.2E-01 | 5.8E+03 | 2.2E-01 | 1.6E+00 | 4.0E+00 | | 1.1E+00 |
| 2.0E+00 | I | 5.7E-04 | I | | | | | | | 1 | 0.14 | | 1.36E+09 | | ~Aroclor 1260 | 11096-82-5 | 3.2E-01 | 7.2E-01 | 5.8E+03 | 2.2E-01 | | | | |
| 1.3E+01 | C | 3.8E-03 | C | | | | | | | 1 | 0.14 | | 1.36E+09 | | ~Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189) | 39635-31-9 | 4.9E-02 | 1.1E-01 | 8.7E+02 | 3.4E-02 | | | | |
| 1.3E+00 | C | 3.8E-04 | C | | | | | | | 1 | 0.14 | | 1.36E+09 | | ~Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167) | 52663-72-6 | 4.9E-01 | 1.1E+00 | 8.7E+03 | 3.4E-01 | | | | |
| 6.5E+01 | C | 1.9E-02 | C | | | | | | | 1 | 0.14 | | 1.36E+09 | | ~Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157) | 69782-90-7 | 9.8E-03 | 2.2E-02 | 1.7E+02 | 6.8E-03 | | | | |
| 6.5E+01 | C | 1.9E-02 | C | | | | | | | 1 | 0.14 | | 1.36E+09 | | ~Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 156) | 38380-08-4 | 9.8E-03 | 2.2E-02 | 1.7E+02 | 6.8E-03 | | | | |
| 1.3E+03 | C | 3.8E-01 | C | | | | | | | 1 | 0.14 | | 1.36E+09 | | ~Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169) | 32774-16-6 | 4.9E-04 | 1.1E-03 | 8.7E+00 | 3.4E-04 | | | | |
| 1.3E+01 | C | 3.8E-03 | C | | | | | | | 1 | 0.14 | | 1.36E+09 | | ~Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123) | 65510-44-3 | 4.9E-02 | 1.1E-01 | 8.7E+02 | 3.4E-02 | | | | |
| 1.3E+01 | C | 3.8E-03 | C | | | | | | | 1 | 0.14 | | 1.36E+09 | | ~Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118) | 31508-00-6 | 4.9E-02 | 1.1E-01 | 8.7E+02 | 3.4E-02 | | | | |
| 1.3E+01 | C | 3.8E-03 | C | | | | | | | 1 | 0.14 | | 1.36E+09 | | ~Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105) | 32598-14-4 | 4.9E-02 | 1.1E-01 | 8.7E+02 | 3.4E-02 | | | | |
| 6.5E+02 | C | 1.9E-02 | C | | | | | | | 1 | 0.14 | | 1.36E+09 | | ~Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114) | 74472-37-0 | 9.8E-04 | 2.2E-03 | 1.7E+02 | 6.8E-04 | | | | |
| 1.3E+04 | C | 3.8E+00 | C | | | | | | | 1 | 0.14 | | 1.36E+09 | | ~Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126) | 57465-28-8 | 4.9E-05 | 1.1E-04 | 8.7E-01 | 3.4E-05 | | | | |
| 2.0E+00 | I | 5.7E-04 | C | | | | | | | 1 | 0.14 | | 1.36E+09 | | ~Polychlorinated Biphenyls (high risk) | 1336-36-3 | 3.2E-01 | 7.2E-01 | 5.8E+03 | 2.2E-01 | | | | |
| 4.0E-01 | I | 1.0E-04 | I | | | | | | | 1 | 0.14 | | | | ~Polychlorinated Biphenyls (low risk) | 1336-36-3 | | | | | | | | |
| 7.0E-02 | I | 2.0E-05 | C | | | | | | | 1 | 0.14 | | | | ~Polychlorinated Biphenyls (lowest risk) | 1336-36-3 | | | | | | | | |
| 1.3E+01 | C | 3.8E-03 | C | | | | | | | 1 | 0.14 | | 1.36E+09 | | ~Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77) | 32598-13-3 | 4.9E-02 | 1.1E-01 | 8.7E+02 | 3.4E-02 | | | | |
| 1.3E+01 | C | 3.8E-03 | C | | | | | | | 1 | 0.14 | | 1.36E+09 | | ~Tetrachlorobiphenyl, 3,4,4',5- (PCB 81) | 70362-50-4 | 4.9E-02 | 1.1E-01 | 8.7E+02 | 3.4E-02 | | | | |

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ #29; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

| Toxicity and Chemical-specific Information | | | | | | | | | | | | | | | Contaminant | | Carcinogenic Target Risk (TR) = 1E-06 | | | | Noncancer Hazard Index (HI) = 1 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SFO (mg/kg-day)$^{-1}$ | key | IUR (ug/m$^3$)$^{-1}$ | key | $RfD_o$ (mg/kg-day) | key | $RfC_i$ (mg/m$^3$) | key | voc | muta-gen | GIABS | ABS | $C_{sat}$ (mg/kg) | PEF (m$^3$/kg) | VF (m$^3$/kg) | Analyte | CAS No. | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) |
| | | | | | | 6.0E-04 | I | | | 1 | 0.1 | | 1.36E+09 | | Polymeric Methylene Diphenyl Diisocyanate (PMDI) | 9016-87-9 | | | | | | | 8.5E+05 | 8.5E+05 |
| | | | | | | | | | | | | | | | **Polynuclear Aromatic Hydrocarbons (PAHs)** | | | | | | | | | |
| | | | | 6.0E-02 | I | | | V | | 1 | 0.13 | | 1.36E+09 | 1.51E+05 | ~Acenaphthene | 83-32-9 | | | | | 4.7E+03 | 1.3E+04 | | 3.4E+03 |
| | | | | 3.0E-01 | I | | | V | | 1 | 0.13 | | 1.36E+09 | 5.63E+05 | ~Anthracene | 120-12-7 | | | | | 2.3E+04 | 6.4E+04 | | 1.7E+04 |
| 7.3E-01 | E | 1.1E-04 | C | | | | | | M | 1 | 0.13 | | 1.36E+09 | | ~Benz[a]anthracene | 56-55-3 | 2.0E-01 | 5.3E-01 | 1.2E+04 | 1.5E-01 | | | | |
| 1.2E+00 | C | 1.1E-04 | C | | | | | | | | | | 1.36E+09 | | ~Benzo(j)fluoranthene | 205-82-3 | 5.3E-01 | | 3.0E+04 | 5.3E-01 | | | | |
| 7.3E+00 | I | 1.1E-03 | C | | | | | | M | 1 | 0.13 | | 1.36E+09 | | ~Benzo[a]pyrene | 50-32-8 | 2.0E-02 | 5.3E-02 | 1.2E+03 | 1.5E-02 | | | | |
| 7.3E-01 | E | 1.1E-04 | C | | | | | | M | 1 | 0.13 | | 1.36E+09 | | ~Benzo[b]fluoranthene | 205-99-2 | 2.0E-01 | 5.3E-01 | 1.2E+04 | 1.5E-01 | | | | |
| 7.3E-02 | E | 1.1E-04 | C | | | | | | M | 1 | 0.13 | | 1.36E+09 | | ~Benzo[k]fluoranthene | 207-08-9 | 2.0E+00 | 5.3E+00 | 1.2E+04 | 1.5E+00 | | | | |
| 7.3E-03 | E | 1.1E-05 | C | | | | | | M | 1 | 0.13 | | 1.36E+09 | | ~Chrysene | 218-01-9 | 2.0E+01 | 5.3E+01 | 1.2E+05 | 1.5E+01 | | | | |
| 7.3E+00 | E | 1.2E-03 | C | | | | | | M | 1 | 0.13 | | 1.36E+09 | | ~Dibenz[a,h]anthracene | 53-70-3 | 2.0E-02 | 5.3E-02 | 1.1E+03 | 1.5E-02 | | | | |
| 1.2E+01 | C | 1.1E-03 | C | | | | | | | | | | 1.36E+09 | | ~Dibenzo(a,e)pyrene | 192-65-4 | 5.3E-02 | | 3.0E+03 | 5.3E-02 | | | | |
| 2.5E+02 | C | 7.1E-02 | C | | | | | | | 1 | 0.13 | | 1.36E+09 | | ~Dimethylbenz(a)anthracene, 7,12- | 57-97-6 | 2.6E-03 | 6.2E-03 | 4.7E+01 | 1.8E-03 | | | | |
| | | | | 4.0E-02 | I | | | | | 1 | 0.13 | | 1.36E+09 | | ~Fluoranthene | 206-44-0 | | | | | 3.1E+03 | 8.6E+03 | | 2.3E+03 |
| | | | | 4.0E-02 | I | | | V | | 1 | 0.13 | | 1.36E+09 | 3.03E+05 | ~Fluorene | 86-73-7 | | | | | 3.1E+03 | 8.6E+03 | | 2.3E+03 |
| 7.3E-01 | E | 1.1E-04 | C | | | | | | M | 1 | 0.13 | | 1.36E+09 | | ~Indeno[1,2,3-cd]pyrene | 193-39-5 | 2.0E-01 | 5.3E-01 | 1.2E+04 | 1.5E-01 | | | | |
| 2.9E-02 | P | | | 7.0E-02 | A | | | V | | 1 | | 3.94E+02 | 1.36E+09 | 6.31E+04 | ~Methylnaphthalene, 1- | 90-12-0 | 2.2E+01 | | | 2.2E+01 | 5.5E+03 | | | 5.5E+03 |
| | | | | 4.0E-03 | I | | | V | | 1 | | 3.68E+02 | 1.36E+09 | 6.24E+04 | ~Methylnaphthalene, 2- | 91-57-6 | | | | | 3.1E+02 | | | 3.1E+02 |
| | | 3.4E-05 | C | 2.0E-02 | I | 3.0E-03 | I | V | | 1 | 0.13 | | 1.36E+09 | 4.99E+04 | ~Naphthalene | 91-20-3 | | | 3.6E+00 | 3.6E+00 | 1.6E+03 | 4.3E+03 | 1.6E+02 | 1.4E+02 |
| 1.2E+00 | C | 1.1E-04 | C | | | | | | | | | | 1.36E+09 | | ~Nitropyrene, 4- | 57835-92-4 | 5.3E-01 | | 3.0E+04 | 5.3E-01 | | | | |
| | | | | 3.0E-02 | I | | | V | | 1 | 0.13 | | 1.36E+09 | 2.56E+06 | ~Pyrene | 129-00-0 | | | | | 2.3E+03 | 6.4E+03 | | 1.7E+03 |
| | | | | 7.0E-04 | I | | | | | 1 | | | 1.36E+09 | | Potassium Perchlorate | 7778-74-7 | | | | | 5.5E+01 | | | 5.5E+01 |
| 1.5E-01 | I | | | 9.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Prochloraz | 67747-09-5 | 4.3E+00 | 1.3E+01 | | 3.2E+00 | 7.0E+02 | 2.5E+03 | | 5.5E+02 |
| | | | | 6.0E-03 | H | | | | | 1 | 0.1 | | 1.36E+09 | | Profluralin | 26399-36-0 | | | | | 4.7E+02 | 1.7E+03 | | 3.7E+02 |
| | | | | 1.5E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Prometon | 1610-18-0 | | | | | 1.2E+03 | 4.2E+03 | | 9.2E+02 |
| | | | | 4.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Prometryn | 7287-19-6 | | | | | 3.1E+02 | 1.1E+03 | | 2.4E+02 |
| | | | | 1.3E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Propachlor | 1918-16-7 | | | | | 1.0E+03 | 3.6E+03 | | 7.9E+02 |
| | | | | 5.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Propanil | 709-98-8 | | | | | 3.9E+02 | 1.4E+03 | | 3.1E+02 |
| | | | | 2.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Propargite | 2312-35-8 | | | | | 1.6E+03 | 5.6E+03 | | 1.2E+03 |
| | | | | 2.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Propargyl Alcohol | 107-19-7 | | | | | 1.6E+02 | 5.6E+02 | | 1.2E+02 |
| | | | | 2.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Propazine | 139-40-2 | | | | | 1.6E+03 | 5.6E+03 | | 1.2E+03 |
| | | | | 2.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Propham | 122-42-9 | | | | | 1.6E+03 | 5.6E+03 | | 1.2E+03 |
| | | | | 1.3E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Propiconazole | 60207-90-1 | | | | | 1.0E+03 | 3.6E+03 | | 7.9E+02 |
| | | | | | | 8.0E-03 | I | V | | | | 3.26E+04 | 1.36E+09 | 9.62E+03 | Propionaldehyde | 123-38-6 | | | | | | | 8.0E+01 | 8.0E+01 |
| | | | | 1.0E-01 | X | 1.0E+00 | X | V | | 1 | 0.1 | 2.64E+02 | 1.36E+09 | 7.53E+03 | Propyl benzene | 103-65-1 | | | | | 7.8E+03 | 2.8E+04 | 7.9E+03 | 3.4E+03 |
| | | | | | | 3.0E+00 | C | | | | | | 1.36E+09 | | Propylene | 115-07-1 | | | | | | | 4.3E+09 | 4.3E+09 |
| | | | | 2.0E+01 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Propylene Glycol | 57-55-6 | | | | | 1.6E+06 | 5.6E+06 | | 1.2E+06 |
| | | | | | | 2.7E-04 | A | V | | 1 | | 1.51E+03 | 1.36E+09 | 2.02E+05 | Propylene Glycol Dinitrate | 6423-43-4 | | | | | | | 5.7E+01 | 5.7E+01 |
| | | | | 7.0E-01 | H | | | | | 1 | 0.1 | | 1.36E+09 | | Propylene Glycol Monoethyl Ether | 1569-02-4 | | | | | 5.5E+04 | 2.0E+05 | | 4.3E+04 |
| | | | | 7.0E-01 | H | 2.0E+00 | I | | | 1 | 0.1 | | 1.36E+09 | | Propylene Glycol Monomethyl Ether | 107-98-2 | | | | | 5.5E+04 | 2.0E+05 | 2.8E+09 | 4.3E+04 |
| 2.4E-01 | I | 3.7E-06 | I | | | 3.0E-02 | I | V | | 1 | | 7.77E+04 | 1.36E+09 | 1.03E+04 | Propylene Oxide | 75-56-9 | 2.7E+00 | | 6.7E+00 | 1.9E+00 | | | 3.2E+02 | 3.2E+02 |
| | | | | 2.5E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Pursuit | 81335-77-5 | | | | | 2.0E+04 | 7.0E+04 | | 1.5E+04 |
| | | | | 2.5E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Pydrin | 51630-58-1 | | | | | 2.0E+03 | 7.0E+03 | | 1.5E+03 |
| | | | | 1.0E-03 | I | | | V | | 1 | | 5.30E+05 | 1.36E+09 | 5.96E+04 | Pyridine | 110-86-1 | | | | | 7.8E+01 | | | 7.8E+01 |
| | | | | 5.0E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Quinalphos | 13593-03-8 | | | | | 3.9E+01 | 1.4E+02 | | 3.1E+01 |
| 3.0E+00 | I | | | | | | | | | 1 | 0.1 | | 1.36E+09 | | Quinoline | 91-22-5 | 2.1E-01 | 6.7E-01 | | 1.6E-01 | | | | |
| | | | | | | 3.0E-02 | A | | | 1 | | | 1.36E+09 | | Refractory Ceramic Fibers | NA | | | | | | | 4.3E+07 | 4.3E+07 |
| | | | | 3.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Resmethrin | 10453-86-8 | | | | | 2.3E+03 | 8.4E+03 | | 1.8E+03 |
| | | | | 5.0E-02 | H | | | | | 1 | 0.1 | | 1.36E+09 | | Ronnel | 299-84-3 | | | | | 3.9E+03 | 1.4E+04 | | 3.1E+03 |
| | | | | 4.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Rotenone | 83-79-4 | | | | | 3.1E+02 | 1.1E+03 | | 2.4E+02 |
| 2.2E-01 | C | 6.3E-05 | C | | | | | | | 1 | 0.1 | | 1.36E+09 | | Safrole | 94-59-7 | 2.9E+00 | 9.2E+00 | 5.3E+04 | 2.2E+00 | | | | |
| | | | | 2.5E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Savey | 78587-05-0 | | | | | 2.0E+03 | 7.0E+03 | | 1.5E+03 |
| | | | | 5.0E-03 | I | | | | | 1 | | | 1.36E+09 | | Selenious Acid | 7783-00-8 | | | | | 3.9E+02 | | | 3.9E+02 |
| | | | | 5.0E-03 | I | 2.0E-02 | C | | | 1 | | | 1.36E+09 | | Selenium | 7782-49-2 | | | | | 3.9E+02 | | 2.8E+07 | 3.9E+02 |
| | | | | 5.0E-03 | C | 2.0E-02 | C | | | 1 | | | 1.36E+09 | | Selenium Sulfide | 7446-34-6 | | | | | 3.9E+02 | | 2.8E+07 | 3.9E+02 |

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ #29; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

| Toxicity and Chemical-specific Information | | | | | | | | | | | | | | | Contaminant | | Carcinogenic Target Risk (TR) = 1E-06 | | | | Noncancer Hazard Index (HI) = 1 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SFO (mg/kg-day)$^{-1}$ | key | IUR (ug/m$^3$)$^{-1}$ | key | $RfD_o$ (mg/kg-day) | key | $RfC_i$ (mg/m$^3$) | key | voc | muta-gen | GIABS | ABS | $C_{sat}$ (mg/kg) | PEF (m$^3$/kg) | VF (m$^3$/kg) | Analyte | CAS No. | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) |
| | | | | 9.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Sethoxydim | 74051-80-2 | | | | | 7.0E+03 | 2.5E+04 | | 5.5E+03 |
| | | | | | | 3.0E-03 | C | | | | | | 1.36E+09 | | Silica (crystalline, respirable) | 7631-86-9 | | | | | | | 4.3E+06 | 4.3E+06 |
| | | | | 5.0E-03 | I | | | | | 0.04 | | | 1.36E+09 | | Silver | 7440-22-4 | | | | | 3.9E+02 | | | 3.9E+02 |
| 1.2E-01 | H | | | 5.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Simazine | 122-34-9 | 5.3E+00 | 1.7E+01 | | 4.0E+00 | 3.9E+02 | 1.4E+03 | | 3.1E+02 |
| | | | | 1.3E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Sodium Acifluorfen | 62476-59-9 | | | | | 1.0E+03 | 3.6E+03 | | 7.9E+02 |
| | | | | 4.0E-03 | I | | | | | 1 | | | 1.36E+09 | | Sodium Azide | 26628-22-8 | | | | | 3.1E+02 | | | 3.1E+02 |
| 2.7E-01 | H | | | 3.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Sodium Diethyldithiocarbamate | 148-18-5 | 2.4E+00 | 7.5E+00 | | 1.8E+00 | 2.3E+03 | 8.4E+03 | | 1.8E+03 |
| | | | | 5.0E-02 | A | 1.3E-02 | C | | | 1 | | | 1.36E+09 | | Sodium Fluoride | 7681-49-4 | | | | | 3.9E+03 | | 1.8E+07 | 3.9E+03 |
| | | | | 2.0E-05 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Sodium Fluoroacetate | 62-74-8 | | | | | 1.6E+00 | 5.6E+00 | | 1.2E+00 |
| | | | | 1.0E-03 | H | | | | | 1 | | | 1.36E+09 | | Sodium Metavanadate | 13718-26-8 | | | | | 7.8E+01 | | | 7.8E+01 |
| | | | | 7.0E-04 | I | | | | | 1 | | | 1.36E+09 | | Sodium Perchlorate | 7601-89-0 | | | | | 5.5E+01 | | | 5.5E+01 |
| 2.4E-02 | H | | | 3.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Stirofos (Tetrachlorovinphos) | 961-11-5 | 2.7E+01 | 8.4E+01 | | 2.0E+01 | 2.3E+03 | 8.4E+03 | | 1.8E+03 |
| | | | | 6.0E-01 | I | | | | | 1 | | | 1.36E+09 | | Strontium, Stable | 7440-24-6 | | | | | 4.7E+04 | | | 4.7E+04 |
| | | | | 3.0E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Strychnine | 57-24-9 | | | | | 2.3E+01 | 8.4E+01 | | 1.8E+01 |
| | | | | 2.0E-01 | I | 1.0E+00 | I | V | | 1 | | 8.67E+02 | 1.36E+09 | 1.01E+04 | Styrene | 100-42-5 | | | | | 1.6E+04 | | 1.0E+04 | 6.3E+03 |
| | | | | 8.0E-04 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Sulfonylbis(4-chlorobenzene), 1,1'- | 80-07-9 | | | | | 6.3E+01 | 2.2E+02 | | 4.9E+01 |
| | | | | | | 1.0E-03 | C | | | | | | 1.36E+09 | | Sulfuric Acid | 7664-93-9 | | | | | | | 1.4E+06 | 1.4E+06 |
| | | | | 2.5E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Systhane | 88671-89-0 | | | | | 2.0E+03 | 7.0E+03 | | 1.5E+03 |
| | | | | 3.0E-02 | H | | | | | 1 | 0.1 | | 1.36E+09 | | TCMTB | 21564-17-0 | | | | | 2.3E+03 | 8.4E+03 | | 1.8E+03 |
| | | | | 7.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Tebuthiuron | 34014-18-1 | | | | | 5.5E+03 | 2.0E+04 | | 4.3E+03 |
| | | | | 2.0E-02 | H | | | | | 1 | 0.1 | | 1.36E+09 | | Temephos | 3383-96-8 | | | | | 1.6E+03 | 5.6E+03 | | 1.2E+03 |
| | | | | 1.3E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Terbacil | 5902-51-2 | | | | | 1.0E+03 | 3.6E+03 | | 7.9E+02 |
| | | | | 2.5E-05 | H | | | | | 1 | 0.1 | | 1.36E+09 | | Terbufos | 13071-79-9 | | | | | 2.0E+00 | 7.0E+00 | | 1.5E+00 |
| | | | | 1.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Terbutryn | 886-50-0 | | | | | 7.8E+01 | 2.8E+02 | | 6.1E+01 |
| | | | | 1.0E-04 | I | | | | | | | | 1.36E+09 | | Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47) | 5436-43-1 | | | | | 7.8E+00 | | | 7.8E+00 |
| | | | | 3.0E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Tetrachlorobenzene, 1,2,4,5- | 95-94-3 | | | | | 2.3E+01 | 8.4E+01 | | 1.8E+01 |
| 2.6E-02 | I | 7.4E-06 | I | 3.0E-02 | I | | | V | | 1 | | 6.80E+02 | 1.36E+09 | 6.11E+03 | Tetrachloroethane, 1,1,1,2- | 630-20-6 | 2.5E+01 | | 2.0E+00 | 1.9E+00 | 2.3E+03 | | | 2.3E+03 |
| 2.0E-01 | I | 5.8E-05 | I | 4.0E-03 | P | | | V | | 1 | | 1.90E+03 | 1.36E+09 | 1.63E+04 | Tetrachloroethane, 1,1,2,2- | 79-34-5 | 3.2E+00 | | 6.8E-01 | 5.6E-01 | 3.1E+02 | | | 3.1E+02 |
| 5.4E-01 | C | 5.9E-06 | C | 1.0E-02 | I | 2.7E-01 | A | V | | 1 | | 1.66E+02 | 1.36E+09 | 2.53E+03 | Tetrachloroethylene | 127-18-4 | 1.2E+00 | | 1.0E+00 | 5.5E-01 | 7.8E+02 | | 7.2E+02 | 3.7E+02 |
| | | | | 3.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Tetrachlorophenol, 2,3,4,6- | 58-90-2 | | | | | 2.3E+03 | 8.4E+03 | | 1.8E+03 |
| 2.0E+01 | H | | | | | | | | | 1 | 0.1 | | 1.36E+09 | | Tetrachlorotoluene, p- alpha, alpha, alpha- | 5216-25-1 | 3.2E-02 | 1.0E-01 | | 2.4E-02 | | | | |
| | | | | 5.0E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Tetraethyl Dithiopyrophosphate | 3689-24-5 | | | | | 3.9E+01 | 1.4E+02 | | 3.1E+01 |
| | | | | | | 8.0E+01 | I | V | | 1 | | 1.09E+03 | 1.36E+09 | 1.31E+03 | Tetrafluoroethane, 1,1,1,2- | 811-97-2 | | | | | | | 1.1E+05 | 1.1E+05 |
| | | | | 4.0E-03 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Tetryl (Trinitrophenylmethylnitramine) | 479-45-8 | | | | | 3.1E+02 | 1.1E+03 | | 2.4E+02 |
| | | | | | | | | | | 1 | | | 1.36E+09 | | Thallium (Soluble Salts) | 7440-28-0 | | | | | | | | |
| | | | | 1.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Thiobencarb | 28249-77-6 | | | | | 7.8E+02 | 2.8E+03 | | 6.1E+02 |
| | | | | 7.0E-02 | X | | | | | 1 | 0.0075 | | 1.36E+09 | | Thiodiglycol | 111-48-8 | | | | | 5.5E+03 | 2.6E+05 | | 5.4E+03 |
| | | | | 3.0E-04 | H | | | | | 1 | 0.1 | | 1.36E+09 | | Thiofanox | 39196-18-4 | | | | | 2.3E+01 | 8.4E+01 | | 1.8E+01 |
| | | | | 8.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Thiophanate, Methyl | 23564-05-8 | | | | | 6.3E+03 | 2.2E+04 | | 4.9E+03 |
| | | | | 5.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Thiram | 137-26-8 | | | | | 3.9E+02 | 1.4E+03 | | 3.1E+02 |
| | | | | 6.0E-01 | H | | | | | 1 | | | 1.36E+09 | | Tin | 7440-31-5 | | | | | 4.7E+04 | | | 4.7E+04 |
| | | | | | | 1.0E-04 | A | | | 1 | | | 1.36E+09 | | Titanium Tetrachloride | 7550-45-0 | | | | | | | 1.4E+05 | 1.4E+05 |
| | | | | 8.0E-02 | I | 5.0E+00 | I | V | | 1 | | 8.18E+02 | 1.36E+09 | 4.61E+03 | Toluene | 108-88-3 | | | | | 6.3E+03 | | 2.4E+04 | 5.0E+03 |
| 1.9E-01 | H | | | | | | | | | 1 | 0.1 | | 1.36E+09 | | Toluidine, p- | 106-49-0 | 3.4E+00 | 1.1E+01 | | 2.6E+00 | | | | |
| 1.1E+00 | I | 3.2E-04 | I | | | | | | | 1 | 0.1 | | 1.36E+09 | | Toxaphene | 8001-35-2 | 5.8E-01 | 1.8E+00 | 1.0E+04 | 4.4E-01 | | | | |
| | | | | 7.5E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Tralomethrin | 66841-25-6 | | | | | 5.9E+02 | 2.1E+03 | | 4.6E+02 |
| | | | | 3.0E-04 | A | | | | | 1 | 0.1 | | 1.36E+09 | | Tri-n-butyltin | 688-73-3 | | | | | 2.3E+01 | 8.4E+01 | | 1.8E+01 |
| | | | | 1.3E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Triallate | 2303-17-5 | | | | | 1.0E+03 | 3.6E+03 | | 7.9E+02 |
| | | | | 1.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Triasulfuron | 82097-50-5 | | | | | 7.8E+02 | 2.8E+03 | | 6.1E+02 |
| | | | | 5.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Tribromobenzene, 1,2,4- | 615-54-3 | | | | | 3.9E+02 | 1.4E+03 | | 3.1E+02 |
| 9.2E-03 | P | | | 2.0E-01 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Tributyl Phosphate | 126-73-8 | 6.9E+01 | 2.2E+02 | | 5.3E+01 | 1.6E+04 | 5.6E+04 | | 1.2E+04 |
| | | | | 3.0E-04 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Tributyltin Compounds | NA | | | | | 2.3E+01 | 8.4E+01 | | 1.8E+01 |
| | | | | 3.0E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Tributyltin Oxide | 56-35-9 | | | | | 2.3E+01 | 8.4E+01 | | 1.8E+01 |
| | | | | 3.0E+01 | I | 3.0E+01 | H | V | | 1 | | 9.10E+02 | 1.36E+09 | 1.38E+03 | Trichloro-1,2,2-trifluoroethane, 1,1,2- | 76-13-1 | | | | | 2.3E+06 | | 4.3E+04 | 4.3E+04 |
| | | | | | | | | | | 1 | 0.1 | | 1.36E+09 | | Trichloroacetic Acid | 76-03-9 | | | | | | | | |

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ #29; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

| Toxicity and Chemical-specific Information | | | | | | | | | | | | | | | Contaminant | | Carcinogenic Target Risk (TR) = 1E-06 | | | | Noncancer Hazard Index (HI) = 1 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SFO (mg/kg-day)$^{-1}$ | key | IUR (ug/m$^3$)$^{-1}$ | key | $RfD_o$ (mg/kg-day) | key | $RfC_i$ (mg/m$^3$) | key | voc | muta-gen | GIABS | ABS | $C_{sat}$ (mg/kg) | PEF (m$^3$/kg) | VF (m$^3$/kg) | Analyte | CAS No. | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) | Ingestion (mg/kg) | Dermal (mg/kg) | Inhalation (mg/kg) | Total (mg/kg) |
| 2.9E-02 | H | | | | | | | | | 1 | 0.1 | | 1.36E+09 | | Trichloroaniline HCl, 2,4,6- | 33663-50-2 | 2.2E+01 | 7.0E+01 | | 1.7E+01 | | | | |
| 3.4E-02 | H | | | | | | | | | 1 | 0.1 | | 1.36E+09 | | Trichloroaniline, 2,4,6- | 634-93-5 | 1.9E+01 | 6.0E+01 | | 1.4E+01 | | | | |
| | | | | 8.0E-04 | X | | | V | | 1 | 0.1 | 1.51E+02 | 1.36E+09 | 3.47E+04 | Trichlorobenzene, 1,2,3- | 87-61-6 | | | | | 6.3E+01 | 2.2E+02 | | 4.9E+01 |
| 2.9E-02 | P | | | 1.0E-02 | I | 2.0E-03 | P | V | | 1 | | 4.04E+02 | 1.36E+09 | 3.22E+04 | Trichlorobenzene, 1,2,4- | 120-82-1 | 2.2E+01 | | | 2.2E+01 | 7.8E+02 | | 6.7E+01 | 6.2E+01 |
| | | | | 2.0E+00 | I | 5.0E+00 | I | V | | 1 | | 6.40E+02 | 1.36E+09 | 1.77E+03 | Trichloroethane, 1,1,1- | 71-55-6 | | | | | 1.6E+05 | | 9.3E+03 | 8.7E+03 |
| 5.7E-02 | I | 1.6E-05 | I | 4.0E-03 | I | | | V | | 1 | | 2.16E+03 | 1.36E+09 | 7.77E+03 | Trichloroethane, 1,1,2- | 79-00-5 | 1.1E+01 | | 1.2E+00 | 1.1E+00 | 3.1E+02 | | | 3.1E+02 |
| 5.9E-03 | C | 2.0E-06 | C | | | | | V | | 1 | | 6.92E+02 | 1.36E+09 | 2.38E+03 | Trichloroethylene | 79-01-6 | 1.1E+02 | | 2.9E+00 | 2.8E+00 | | | | |
| | | | | 3.0E-01 | I | 7.0E-01 | H | V | | 1 | | 1.23E+03 | 1.36E+09 | 1.11E+03 | Trichlorofluoromethane | 75-69-4 | | | | | 2.3E+04 | | 8.1E+02 | 7.9E+02 |
| | | | | 1.0E-01 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Trichlorophenol, 2,4,5- | 95-95-4 | | | | | 7.8E+03 | 2.8E+04 | | 6.1E+03 |
| 1.1E-02 | I | 3.1E-06 | I | 1.0E-03 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Trichlorophenol, 2,4,6- | 88-06-2 | 5.8E+01 | 1.8E+02 | 1.1E+06 | 4.4E+01 | 7.8E+01 | 2.8E+02 | | 6.1E+01 |
| | | | | 1.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Trichlorophenoxyacetic Acid, 2,4,5- | 93-76-5 | | | | | 7.8E+02 | 2.8E+03 | | 6.1E+02 |
| | | | | 8.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Trichlorophenoxypropionic acid, -2,4,5 | 93-72-1 | | | | | 6.3E+02 | 2.2E+03 | | 4.9E+02 |
| | | | | 5.0E-03 | I | | | V | | 1 | | 1.28E+03 | 1.36E+09 | 1.62E+04 | Trichloropropane, 1,1,2- | 598-77-6 | | | | | 3.9E+02 | | | 3.9E+02 |
| 3.0E+01 | I | | | 4.0E-03 | I | 3.0E-04 | I | V | M | 1 | | 1.40E+03 | 1.36E+09 | 1.69E+04 | Trichloropropane, 1,2,3- | 96-18-4 | 5.0E-03 | | | 5.0E-03 | 3.1E+02 | | 5.3E+00 | 5.2E+00 |
| | | | | 3.0E-03 | X | 3.0E-04 | P | V | | 1 | | 4.51E+02 | 1.36E+09 | 2.52E+03 | Trichloropropene, 1,2,3- | 96-19-5 | | | | | 2.3E+02 | | 7.9E-01 | 7.8E-01 |
| | | | | 3.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Tridiphane | 58138-08-2 | | | | | 2.3E+02 | 8.4E+02 | | 1.8E+02 |
| | | | | | | 7.0E-03 | I | V | | 1 | | 2.79E+04 | 1.36E+09 | 1.70E+04 | Triethylamine | 121-44-8 | | | | | | | 1.2E+02 | 1.2E+02 |
| 7.7E-03 | I | | | 7.5E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Trifluralin | 1582-09-8 | 8.3E+01 | 2.6E+02 | | 6.3E+01 | 5.9E+02 | 2.1E+03 | | 4.6E+02 |
| 3.7E-02 | H | | | | | | | | | 1 | 0.1 | | 1.36E+09 | | Trimethyl Phosphate | 512-56-1 | 1.7E+01 | 5.5E+01 | | 1.3E+01 | | | | |
| | | | | | | 7.0E-03 | P | V | | 1 | | 2.19E+02 | 1.36E+09 | 8.52E+03 | Trimethylbenzene, 1,2,4- | 95-63-6 | | | | | | | 6.2E+01 | 6.2E+01 |
| | | | | 1.0E-02 | X | | | V | | 1 | | 1.82E+02 | 1.36E+09 | 7.12E+03 | Trimethylbenzene, 1,3,5- | 108-67-8 | | | | | 7.8E+02 | | | 7.8E+02 |
| | | | | 3.0E-02 | I | | | | | 1 | 0.019 | | 1.36E+09 | | Trinitrobenzene, 1,3,5- | 99-35-4 | | | | | 2.3E+03 | 4.4E+04 | | 2.2E+03 |
| 3.0E-02 | I | | | 5.0E-04 | I | | | | | 1 | 0.032 | | 1.36E+09 | | Trinitrotoluene, 2,4,6- | 118-96-7 | 2.1E+01 | 2.1E+02 | | 1.9E+01 | 3.9E+01 | 4.4E+02 | | 3.6E+01 |
| | | | | 2.0E-02 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Triphenylphosphine Oxide | 791-28-6 | | | | | 1.6E+03 | 5.6E+03 | | 1.2E+03 |
| | | | | 2.0E-02 | A | | | | | 1 | 0.1 | | 1.36E+09 | | Tris(1,3-Dichloro-2-propyl) Phosphate | 13674-87-8 | | | | | 1.6E+03 | 5.6E+03 | | 1.2E+03 |
| 2.0E-02 | P | | | 7.0E-03 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Tris(2-chloroethyl)phosphate | 115-96-8 | 3.2E+01 | 1.0E+02 | | 2.4E+01 | 5.5E+02 | 2.0E+03 | | 4.3E+02 |
| 3.2E-03 | P | | | 1.0E-01 | P | | | | | 1 | 0.1 | | 1.36E+09 | | Tris(2-ethylhexyl)phosphate | 78-42-2 | 2.0E+02 | 6.3E+02 | | 1.5E+02 | 7.8E+03 | 2.8E+04 | | 6.1E+03 |
| | | | | 3.0E-03 | I | 3.0E-04 | A | | | 1 | | | 1.36E+09 | | Uranium (Soluble Salts) | NA | | | | | 2.3E+02 | | 4.3E+05 | 2.3E+02 |
| 1.0E+00 | C | 2.9E-04 | C | | | | | | | | | | 1.36E+09 | | Urethane | 51-79-6 | 6.4E-01 | | 1.1E+04 | 6.4E-01 | | | | |
| | | 8.3E-03 | P | 9.0E-03 | I | 7.0E-06 | P | | | 0.026 | | | 1.36E+09 | | Vanadium Pentoxide | 1314-62-1 | | | 4.0E+02 | 4.0E+02 | 7.0E+02 | | 9.9E+03 | 6.6E+02 |
| | | | | 2.0E-02 | H | | | | | 0.026 | | | 1.36E+09 | | Vanadium Sulfate | 36907-42-3 | | | | | 1.6E+03 | | | 1.6E+03 |
| | | | | 5.0E-03 | S | | | | | 1 | | | 1.36E+09 | | Vanadium and Compounds | NA | | | | | 3.9E+02 | | | 3.9E+02 |
| | | | | 7.0E-05 | P | 1.0E-04 | A | | | 0.026 | | | 1.36E+09 | | Vanadium, Metallic | 7440-62-2 | | | | | 5.5E+00 | | 1.4E+05 | 5.5E+00 |
| | | | | 1.0E-03 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Vernolate | 1929-77-7 | | | | | 7.8E+01 | 2.8E+02 | | 6.1E+01 |
| | | | | 2.5E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Vinclozolin | 50471-44-8 | | | | | 2.0E+03 | 7.0E+03 | | 1.5E+03 |
| | | | | 1.0E+00 | H | 2.0E-01 | I | V | | 1 | | 2.75E+03 | 1.36E+09 | 4.73E+03 | Vinyl Acetate | 108-05-4 | | | | | 7.8E+04 | | 9.9E+02 | 9.7E+02 |
| | | 3.2E-05 | H | | | 3.0E-03 | I | V | | 1 | | 3.37E+03 | 1.36E+09 | 1.47E+03 | Vinyl Bromide | 593-60-2 | | | 1.1E-01 | 1.1E-01 | | | 4.6E+00 | 4.6E+00 |
| 7.2E-01 | I | 4.4E-06 | I | 3.0E-03 | I | 1.0E-01 | I | V | M | 1 | | 3.92E+03 | 1.36E+09 | 1.03E+03 | Vinyl Chloride | 75-01-4 | 9.3E-02 | | 1.7E-01 | 6.0E-02 | 2.3E+02 | | 1.1E+02 | 7.4E+01 |
| | | | | 3.0E-04 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Warfarin | 81-81-2 | | | | | 2.3E+01 | 8.4E+01 | | 1.8E+01 |
| | | | | 2.0E-01 | I | 1.0E-01 | I | V | | 1 | | 2.58E+02 | 1.36E+09 | 6.27E+03 | Xylene, Mixture | 1330-20-7 | | | | | 1.6E+04 | | 6.5E+02 | 6.3E+02 |
| | | | | 2.0E-01 | I | 7.0E-01 | C | V | | 1 | | 3.90E+02 | 1.36E+09 | 6.01E+03 | Xylene, P- | 106-42-3 | | | | | 1.6E+04 | | 4.4E+03 | 3.4E+03 |
| | | | | 2.0E-01 | I | 7.0E-01 | C | V | | 1 | | 3.88E+02 | 1.36E+09 | 5.89E+03 | Xylene, m- | 108-38-3 | | | | | 1.6E+04 | | 4.3E+03 | 3.4E+03 |
| | | | | 2.0E-01 | I | 7.0E-01 | C | V | | 1 | | 4.34E+02 | 1.36E+09 | 6.95E+03 | Xylene, o- | 95-47-6 | | | | | 1.6E+04 | | 5.1E+03 | 3.8E+03 |
| | | | | 3.0E-01 | I | | | | | 1 | | | 1.36E+09 | | Zinc (Metallic) | 7440-66-6 | | | | | 2.3E+04 | | | 2.3E+04 |
| | | | | 3.0E-04 | I | | | | | 1 | | | 1.36E+09 | | Zinc Phosphide | 1314-84-7 | | | | | 2.3E+01 | | | 2.3E+01 |
| | | | | 5.0E-02 | I | | | | | 1 | 0.1 | | 1.36E+09 | | Zineb | 12122-67-7 | | | | | 3.9E+03 | 1.4E+04 | | 3.1E+03 |