**Section 742.APPENDIX A General**

**Section 742.TABLE K Soil Vapor Saturation Limits (Cvsat) for Volatile Chemicals**

| CAS No. | Chemical Name | Cvsat (mg/m3) |
| --- | --- | --- |
| 67-64-1 | Acetone | 7.50E+05 |
| 71-43-2 | Benzene | 4.20E+05 |
| 111-44-4 | Bis(2-chloroethyl)ether | 1.20E+04 |
| 75-27-4 | Bromodichloromethane | 4.50E+05 |
| 75-25-2 | Bromoform | 7.80E+04 |
| 71-36-3 | Butanol | 2.90E+04 |
| 78-93-3 | 2-Butanone (MEK) | 3.80E+05 |
| 75-15-0 | Carbon disulfide | 1.50E+06 |
| 56-23-5 | Carbon tetrachloride | 1.00E+06 |
| 108-90-7 | Chlorobenzene | 7.40E+04 |
| 124-48-1 | Chlorodibromomethane | 5.70E+04 |
| 67-66-3 | Chloroform | 1.30E+06 |
| 95-57-8 | 2-Chlorophenol (ionizable organic) | 1.70E+04 |
| 75-99-0 | Dalapon | 1.50E+03 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 7.80E+03 |
| 106-93-4 | 1,2-Dibromoethane | 1.40E+05 |
| 95-50-1 | 1,2-Dichlorobenzene | 1.10E+04 |
| 106-46-7 | 1,4-Dichlorobenzene | 8.40E+03 |
| 75-71-8 | Dichlorodifluoromethane | 3.30E+07 |
| 75-34-3 | 1,1-Dichloroethane | 1.30E+06 |
| 107-06-2 | 1,2-Dichloroethane | 4.40E+05 |
| 75-35-4 | 1,1-Dichloroethylene | 3.30E+06 |
| 156-59-2 | *cis*-1,2-Dichloroethylene | 1.10E+06 |
| 156-60-5 | *trans*-1,2-Dichloroethylene | 1.80E+06 |
| 78-87-5 | 1,2-Dichloropropane | 3.20E+05 |
| 542-75-6 | 1,3-Dichloropropylene (*cis* + *trans*) | 2.10E+05 |
| 123-91-1 | p-Dioxane | 1.90E+05 |
| 100-41-4 | Ethylbenzene | 5.90E+04 |
| 76-44-8 | Heptachlor | 8.30E+00 |
| 118-74-1 | Hexachlorobenzene | 2.80E-01 |
| 77-47-4 | Hexachlorocyclopentadiene | 9.10E+02 |
| 67-72-1 | Hexachloroethane | 2.80E+03 |
| 78-59-1 | Isophorone | 3.40E+03 |
| 98-82-8 | Isopropylbenzene (Cumene) | 3.00E+04 |
| 7439-97-6 | Mercury (elemental) | 2.20E+01 |
| 74-83-9 | Methyl bromide | 8.60E+06 |
| 1634-04-4 | Methyl tertiary-butyl ether | 1.20E+06 |
| 75-09-2 | Methylene chloride | 2.00E+06 |
| 93-65-2 | 2-Methylnaphthalene | 5.30E+02 |
| 1634-04-4 | 2-Methylphenol (o-cresol) | 1.80E+03 |
| 91-20-3 | Naphthalene | 6.20E+02 |
| 98-95-3 | Nitrobenzene | 1.70E+03 |
| 621-64-7 | n-Nitrosodi-n-propylamine | 9.50E+02 |
| 108-95-2 | Phenol | 1.50E+03 |
| 1336-36-3 | Polychlorinated biphenyls (PCBs) | 9.00E+00 |
| 100-42-5 | Styrene | 3.40E+04 |
| 127-18-4 | Tetrachloroethylene | 1.80E+05 |
| 108-88-3 | Toluene | 1.40E+05 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 4.30E+03 |
| 71-55-6 | 1,1,1-Trichloroethane | 8.70E+05 |
| 79-00-5 | 1,1,2-Trichloroethane | 1.70E+05 |
| 79-01-6 | Trichloroethylene | 5.30E+05 |
| 75-69-4 | Trichlorofluoromethane | 6.30E+06 |
| 108-05-4 | Vinyl acetate | 4.30E+05 |
| 75-01-4 | Vinyl chloride | 1.10E+07 |
| 108-38-3 | m-Xylene | 5.20E+04 |
| 95-47-6 | o-Xylene | 4.10E+04 |
| 106-42-3 | p-Xylene | 5.50E+04 |
| 1330-20-7 | Xylenes (total) | 4.90E+04 |

(Source: Added at 37 Ill. Reg. 7506, effective May 15, 2013)