

Table C-1

Occupational Exposure Guidelines

| CHEMICAL NAME | CAS NO | ACGIH | | OSHA | | NIOSH | | DFG MAK | | SWISS | | Australia | | Belgium | | Czech Republic | | Slovakia | | France | | Holland | | Hungary | |
|----------------------------------|------------|-------|---------|------------|--------|------------|----------|------------------|------|---------|------|-----------|------|---------|------|----------------|------|----------|------|--------|------|---------|------|---------|------|
| | | TWA | STEL | TWA | STEL | TWA | STEL | TWA | PEAK | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL |
| (1-Methylpropyl)phenol, 2- | 89-72-5 | 31 | | | | 30 | | | | 30 | | 30 | | 31 | | | | | | 30 | | 30 | | | |
| Acetaldehyde | 75-07-0 | | 45 | 360 | | | | | | 90 | 90 | 180 | 270 | 180 | 270 | 200 | 400 | 200 | 400 | 180 | | 180 | | | 25 |
| Acetic acid | 64-19-7 | 25 | 37 | 25 | | 25 | 37 | 25 | | 25 | 50 | 25 | 37 | 25 | 37 | 25 | 50 | 25 | 50 | | 25 | 25 | | 10 | 20 |
| Acetic anhydride | 108-24-7 | 21 | | 20 | | | 20 | 21 | | 20 | 20 | 20 | | 21 | 20 | 40 | 20 | 40 | | 20 | 20 | | 10 | 20 | |
| Acetone | 67-64-1 | 1188 | 1782 | 2400 | | 590 | | 2400 | | 1200 | 2400 | 1185 | 2375 | 1780 | 2380 | 800 | 4000 | 800 | 4000 | 1800 | | 1780 | | 600 | 1200 |
| Acetonitrile | 75-05-8 | 67 | 101 | 70 | | 34 | | 68 | | 70 | 140 | 70 | 105 | 67 | 101 | | | | | 70 | | 70 | | 50 | 100 |
| Acetophenone | 98-86-2 | | | | | | | | | | | | | | | | | | | | | | | 15 | 30 |
| Acetylene | 74-86-2 | | | | | | (C) 2662 | | | 1080 | | | | | | | | | | | | | | | |
| Acetylsalicylic acid | 50-78-2 | 5 | | | | 5 | | | | 5 | | 5 | | 5 | | | | | | | | 5 | | | |
| Acrolein | 107-02-8 | | (C)0.23 | 0.25 | | 0.25 | 0.8 | | | 0.25 | 0.25 | 0.20 | 0.69 | 0.23 | 0.69 | 0.5 | 1 | 0.5 | 1 | 0.25 | 0.25 | | 0.25 | 0.5 | |
| Acrylamide | 79-06-1 | 0.03 | | 0.03 | | 0.03 | | | | 0.03(I) | | 0.03 | 2 | 0.03 | | | | | | 0.3 | | 0.3 | | | 0.3 |
| Acrylic acid | 79-10-7 | 5.9 | | | | 6 | | | | 30 | | 5.9 | | 29 | | | | | | 30 | | 30 | | | |
| Acrylonitrile | 107-13-1 | 4.3 | | 2 | (C) 10 | 1 | (C)10 | | | 4.5 | | 4.3 | | 4.3 | | 0.5 | 2.5 | 0.5 | 2.5 | 4.5 | 32.5 | 9 | 22 | | 0.5 |
| Adiponitrile | 111-69-3 | 8.8 | | | | 18 | | | | | | | | | | | | | | | | | | | |
| Aldrin | 309-00-2 | 0.25 | | 0.25 | | 0.25 | | 0.25(I) | | 0.25 | | 0.25 | | 0.25 | | | | | | 0.25 | | 0.25 | | | |
| Alkylbenzenes (Mixtures) | | | | | | | | | | | | | | | | | | | | | | | | 100 | 200 |
| Allyl alcohol | 107-18-6 | 1.19 | | 5 | | 5 | 10 | | | 5 | 10 | 4 | 9.5 | 4.8 | 9.5 | 3 | 6 | 3 | 6 | 5 | 10 | 5 | | 3 | 6 |
| Allyl chloride | 107-05-1 | 3 | 6 | 3 | | 3 | 6 | | | 3 | 3 | 3 | 6 | 3 | 6 | 1 | 2 | 1 | 2 | 3 | | 3 | | 3 | 6 |
| Allyl glycidyl ether | 106-92-3 | 4.7 | | | (C) 45 | 22 | 44 | | | 22 | | 23 | 47 | 23 | 47 | | | | | 22 | | 22 | | | |
| Allyl Isothiocyanate | 57-06-7 | | | | | | | | | | | | | | | 0.3 | 0.6 | 0.3 | 0.6 | | | | | | |
| Allyl propyl disulfide | 2179-59-1 | 12 | 18 | 12 | | 12 | 18 | 12 | | 12 | | 12 | 18 | 12 | 18 | | | | | 12 | | 12 | | | |
| Aluminum | 7429-90-5 | 10 | | 15(I)/5(R) | | 10(I)/5(R) | | 1.5(R) | | 6(R) | | 2 | | 2 | | | | | | 2 | | 2 | | 2 | 4 |
| Aluminum oxide | 1344-28-1 | 10 | | 15(I)/5(R) | | | | 1.5(R) | | 6 | | 10 | | 5 | 20 | | | | | | | | | | 10 |
| Aluminum sodium fluoride (as Al) | 15096-52-3 | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| Aminodiphenyl, 4- | 92-67-1 | | | | | | | | | | | | | | | | | | | 0.007 | | | | | |
| Aminopyridine, 2- | 504-29-0 | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | | | | | 2 | | 2 | | | |
| Aminotoluene, 2- | 95-53-4 | 8.8 | | 22 | | | | | | 0.5 | | 8.2 | | 8.8 | | 5 | 20 | 5 | 20 | 9 | | 9 | | | |
| Aminotoluene, 3- | 108-44-1 | 8.8 | | | | | | | | 9 | | 8.8 | | 8.8 | | 5 | 20 | 5 | 20 | | | 9 | | | |
| Aminotoluene, 4- | 106-49-0 | 8.8 | | | | | | | | 1 | | 8.8 | | 8.8 | | 5 | 20 | 5 | 20 | | | 9 | | | |
| Aminotriazole | 61-82-5 | 0.2 | | | | 0.2 | | 0.2(I) | | 0.2 | | 0.2 | | 0.2 | | | | | | | | 0.2 | | | |
| Ammonia | 7664-41-7 | 17 | 24 | 35 | | 18 | 27 | 14 | | 14 | 28 | 17 | 24 | 17 | 24 | 20 | 40 | 20 | 40 | 18 | 36 | 18 | | | |
| Ammonium chloride | 12125-02-9 | 10 | 20 | | | 10 | 20 | | | 6(R) | | 10 | 20 | 10 | 20 | | | | | 10 | | 10 | | | |
| Ammonium Perfluorooctanoate | 3825-26-1 | | | | | | | | | | | 0.1 | | 0.1 | | | | | | | | 0.1 | | | |
| Ammonium sulfamate | 7773-06-0 | 10 | | 15(I)/5(R) | | 10(I)/5(R) | | 15(I) | | 10 | | 10 | | 10 | | | | | | 10 | | 10 | | | |
| Amyl acetate, n- | 628-63-7 | 266 | 532 | 525 | | 525 | | 270 | | 260 | 260 | 532 | | 532 | | 200 | 800 | 200 | 800 | 530 | 800 | | 530 | 400 | 800 |
| Amyl Alcohol (All Isomers) | 30899-19-5 | | | | | | | | | | | | | | | | | | | | | | | 180 | 360 |
| Amyl Alcohol, N- | 71-41-0 | | | | | | | | | | | | | | | 100 | 200 | 100 | 200 | | | | | | |
| Amyl ethyl ketone | 541-85-5 | 131 | | 130 | | 130 | | | | 130 | | 130 | | 131 | | | | | | 130 | | 133 | | | |
| Amyl mercaptan | 110-66-7 | | | | | | | 2.1(C)/ 15-min. | | | | | | | | | | | | | | | | | |
| Aniline | 62-53-3 | 7.6 | | 19 | | | | 7.7 | | 8 | 40 | 7.6 | | 7.6 | | 5 | 20 | 5 | 20 | 10 | | | | 5 | 10 |
| Anisidine, 2- | 90-04-0 | 0.5 | | 0.5 | | 0.5 | | | | 0.5 | | 0.5 | | 0.5 | | | | | | 0.5 | | | | | |
| Anisidine, p- | 104-94-9 | 0.5 | | 0.5 | | 0.5 | | 0.51 | | 0.5 | 1 | 0.5 | | 0.5 | | | | | | 0.5 | | | | | |
| Antimony | 7440-36-0 | 0.5 | | 0.5 | | 0.5 | | 0.5(I) | | 0.5 | | 0.5 | | 0.5 | | 0.5 | 2.5 | 0.5 | 2.5 | 0.5 | | | | | 0.5 |
| Antimony trihydride | 7803-52-3 | 0.51 | | 0.5 | | 0.5 | | 0.52 | | 0.5 | 2.5 | 0.5 | | 0.51 | | | | | | 0.5 | | | | 0.2 | 0.4 |
| Antimony Trioxide | 1309-64-4 | | | | | | | | | | | 0.5 | | 0.3 | | | | | | | | | | | |
| Aroclor-1242 | 53469-21-9 | 1 | | 1 | | 0.001 | | 1.1 | | 1 | | 1 | 2 | 1 | 2 | | | | | 1 | | 1 | | | |
| Aroclor-1254 | 11097-69-1 | 0.5 | | 0.5 | | 0.001 | | 0.7 | | 0.5 | | 0.5 | 1 | 0.5 | 1 | | | | | 0.5 | | 0.5 | | | |
| Arsenic | 7440-38-2 | 0.01 | | 0.01 | | | | 0.002 | | | | 0.05 | | 0.2 | | 0.2 | 0.6 | 0.2 | 0.6 | | | | | 0.1 | 0.05 |
| Arsenic Trioxide | 1327-53-3 | | | | | | | | | | | | | | | | | | | 0.2 | | | | | |
| Arsine | 7784-42-1 | 0.16 | | 0.2 | | | | 0.002(C)/ 15-min | | 0.16 | 0.8 | 0.16 | | 0.16 | | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 | 0.8 | 0.2 | | 0.05 | 0.1 |

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| CHEMICAL NAME | CAS NO | ACGIH | | OSHA | | NIOSH | | DFG MAK | | SWISS | | Australia | | Belgium | | Czech Republic | | Slovakia | | France | | Holland | | Hungary | |
|--|------------|-------------|------------|------------|----------------------------------|------------|------|--------------|------|----------|------|-----------|------|---------|------|----------------|--------|----------|--------|--------|-------|---------|------|---------|-------|
| | | TWA | STEL | TWA | STEL | TWA | STEL | TWA | PEAK | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL |
| Asbestos | 1332-21-4 | 0.1 f/cc(f) | | 0.1 f/cc | 1 f/cc/30-min | 0.1 f/cc | | | | | | | | | | | | | | | | | | | |
| Atrazine | 1912-24-9 | 5 | | | | 5 | | 2(I) | | 2 | | 5 | | 5 | | | | | | 5 | | 5 | | | |
| Azinphos-methyl | 86-50-0 | 0.2 | | 0.2 | | 0.2 | | 0.2(I) | | 0.2 | | 0.2 | | 0.2 | | | | | | 0.2 | | 0.2 | | | |
| Bacillus subtilis | 1395-21-7 | | 0.00006(C) | | | | | | | 0.00006 | | | | | | | | | | | | | | | |
| Barium chloride (as Ba) | 10361-37-2 | 0.5 | | 0.5 | | 0.5 | | 0.5 | | | | | | | | | | | | | | | | | |
| Barium Compounds (Soluble) (As Ba) | 7440-39-3 | | | | | | | | | | | 0.5 | | 0.5 | | | | | | | | 0.5 | | | 0.5 |
| Barium nitrate (as Ba) | 10022-31-8 | 0.5 | | 0.5 | | 0.5 | | 0.5 | | | | | | | | | | | | | | | | | |
| Barium sulfate | 7727-43-7 | 10 | | 15(I)/5(R) | | 15(I)/5(R) | | 4(I)/1.5(R) | | | | | | 10(I) | | | | | | | | | | | |
| Basudin® | 333-41-5 | 0.1 | | | | 0.1 | | 0.1(I) | | 0.1(I) | | 0.1 | | 0.1 | | | | | | 0.1 | | 0.1 | | | 0.1 |
| Benomyl | 17804-35-2 | 10 | | 15(I)/5(R) | | | | | | 10 | | 10 | | 10 | | | | | | 10 | | 10 | | | |
| Benzaldehyde | 100-52-7 | | | | | | | | | | | | | | | | | | | | | | | 5 | 10 |
| Benzene | 71-43-2 | 1.6 | 8 | 3 | 15 | 0.32 | 3.2 | | | 3.2 | | 16 | | 32 | | 10 | 20 | 10 | 20 | 16 | | 30 | | 5 | 10 |
| Benzenediamine, 1,4- | 106-50-3 | 0.1 | | 0.1 | | 0.1 | | 0.1(I) | | 0.1 | 0.2 | 0.1 | | 0.1 | | | | | | 0.1 | | 0.1 | | | 0.1 |
| Benzenedimethanamine, 1,3- | 1477-55-0 | | 0.1(C) | | | | | 0.1(C) | | 0.1 | | 0.1 | | | 0.1 | | | | | | 0.1 | 0.1 | | | |
| Benzidine | 92-87-5 | | | | | | | | | | | | | | | | | | | | 0.008 | | | | |
| Benzoquinone, 1,4- | 106-51-4 | 0.44 | | 0.4 | | 0.4 | | 0.45 | | 0.4 | 0.4 | 0.44 | | 0.44 | | | | | | 0.4 | 1.5 | 0.4 | | | |
| Benzoyl Chloride | 98-88-4 | | | | | | | | | | | | | | | | | | | | | | | 5 | 10 |
| Benzoyl peroxide | 94-36-0 | 5 | | 5 | | 5 | | 5(I) | | 5 | | 5 | | 5 | | | | | | 5 | | 5 | | 5 | 10 |
| Benzyl chloride | 100-44-7 | 5.2 | | 5 | | | | 5(C)/15-min | | 0.2 | | 5.2 | | 5.2 | | | | | | 5 | 11 | 5 | | | 0.5 |
| Beryllium | 7440-41-7 | 0.002 | | 0.002 | 0.005(C)/0.025/30-min peak/8 hrs | | | 0.0005(C) | | 0.002(I) | | 0.002 | | 0.002 | | 0.001 | 0.002 | 0.001 | 0.002 | 0.002 | | 0.002 | | | 0.001 |
| Biphenyl | 92-52-4 | 1.3 | | 1 | | 1 | | 1 | | 1.3 | | 1.3 | | 1.3 | | | | | | 1.5 | | 1 | | 1 | 2 |
| Bis(2-chloroethyl)ether | 111-44-4 | 29 | 58 | | 90(C) | 30 | 60 | 59 | | 30 | 150 | 30 | 60 | 29 | 58 | | | | | 30 | | 30 | | | |
| Bis(chloromethyl) ether | 542-88-1 | 0.0047 | | | | | | | | 0.005 | | 0.005 | | 0.004 | | 0.00025 | 0.0005 | 0.00025 | 0.0005 | 0.006 | | | | | |
| Bis-(2-ethylhexyl)phthalate | 117-81-7 | 5 | | 5 | | 5 | 10 | 10 | | 5 | | 5 | 10 | 5 | 10 | 5 | 10 | 5 | 10 | 5 | | 5 | | 5 | 10 |
| Bismuth telluride | 1304-82-1 | 10 | | 15(I)/5(R) | | 10(I)/5(R) | | | | 0.1 | 0.5 | 5 | | 5 | | | | | | 5 | | 5 | | | |
| Black lead | 7782-42-5 | 2R | | 15mpepf | | 2.5(R) | | 1.5(R) | | 2.5 | | 10 | | 10(I) | | | | | | 10 | | 5 | | | |
| Borax | 1303-96-4 | 1 | | | | 1 | | | | 5 | | 5 | | 5 | | | | | | 5 | | 5 | | | |
| Boron oxide | 1303-86-2 | 10 | | 15(I) | | 10 | | | | 10 | 50 | 10 | | 10 | | | | | | 10 | | 10 | | | |
| Boron tribromide | 10294-33-4 | | 2.8(C) | | | | | 10(C) | | 10 | | 10 | | 10 | | | | | | | | 10 | | | |
| Boron trifluoride | 7637-07-2 | | 2.8 | | 3 | | | 3 | | 3 | 3 | 2.4 | | | 2.8 | | | | | | | 3 | | 3 | |
| Bromacil | 314-40-9 | 10 | | | | 10 | | | | 10 | | 11 | | 11 | | | | | | 10 | | 10 | | | |
| Bromine | 7726-95-6 | 0.66 | 1.3 | 0.7 | | 0.7 | 2 | 0.66 | | 0.7 | 0.7 | 0.66 | 2 | 0.66 | 2 | | | | | 0.7 | 0.7 | 0.7 | | | 0.7 |
| Bromine pentafluoride | 7789-30-2 | 0.72 | | | | 0.7 | | | | 0.7 | | 0.72 | | | | | | | | 0.7 | | | | | |
| Bromo-2-chloro-1,1,1-trifluoroethane, 2- | 151-67-7 | 404 | | | | | | 16.2/60-min. | 41 | 40 | 80 | 4.1 | | 404 | | | | | | | | 40 | | 30 | 60 |
| Bromobenzene | 108-86-1 | | | | | | | | | | | | | | | | | | | | | | | 3 | 6 |
| Bromochloromethane | 74-97-5 | 1060 | | 1050 | | 1050 | | 1100 | | 1050 | 2100 | 1060 | | 1058 | 1320 | | | | | 1050 | | 1050 | | | |
| Bromoethane | 74-96-4 | 22 | | 890 | | | | | | 22 | | 890 | 1110 | 891 | 1110 | | | | | 890 | | 890 | | 50 | 100 |
| Bromoform | 75-25-2 | 5.2 | | 5 | | 5 | | | | 5 | | 5.2 | | 5.2 | | | | | | 5 | | 5 | | | |
| Bromotrifluoromethane | 75-63-8 | 6090 | | 6100 | | 6100 | | 6200 | | 6100 | | 6090 | | 6090 | | | | | | 6100 | | 6100 | | | |
| Butadiene, 1,3- | 106-99-0 | 4.4 | | | 5 | | | | | 11 | | 22 | | 22 | | 20 | 40 | 20 | 40 | | | 110 | | | 10 |
| Butane | 106-97-8 | 1900 | | | | 1900 | | 2400 | | 1900 | | 1900 | | 1900 | | | | | | 1900 | | 1430 | | 300 | 900 |
| Butanenitrile | 109-74-0 | | | | | 22 | | | | | | | | | | | | | | | | | | | |
| Butenal, Trans-2- | 123-73-9 | | | | | | | | | | | | | | | | | | | 6 | | 6 | | | |
| Butyl acetate, n- | 123-86-4 | 713 | 950 | 710 | | 710 | 950 | 480 | | 480 | 960 | 710 | 950 | 713 | 950 | 400 | 1000 | 400 | 1000 | 710 | 940 | 710 | | 200 | 600 |
| Butyl acetate, sec- | 105-46-4 | 950 | | 950 | | 950 | | | | 480 | 960 | 950 | | 950 | | | | | | 950 | | 950 | | | |
| Butyl acrylate, n- | 141-32-2 | 11 | | | | 55 | | | 11 | 11 | 22 | 55 | | 52 | | 5 | 10 | 5 | 10 | 55 | | 55 | | 20 | 40 |

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| CHEMICAL NAME | CAS NO | ACGIH | | OSHA | | NIOSH | | DFG MAK | | SWISS | | Australia | | Belgium | | Czech Republic | | Slovakia | | France | | Holland | | Hungary | |
|-------------------------------|------------|----------|--------|------------|-------|------------|------|-------------------------------------|--------|--------------|------|-----------|-------|---------|------|----------------|------|----------|------|--------|------|---------|------|---------|------|
| | | TWA | STEL | TWA | STEL | TWA | STEL | TWA | PEAK | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL |
| Butyl alcohol, n- | 71-36-3 | 61 | 152(C) | 300 | | | | 310 | | 150 | 150 | 152 | | | 152 | 100 | 200 | 100 | 200 | 150 | 150 | | | 100 | 200 |
| Butyl alcohol, sec- | 78-92-2 | 300 | | 450 | | 350 | | | | 300 | 600 | 303 | | 303 | 455 | | | | | 300 | | | | 450 | |
| Butyl Benzyl Phthalate | 85-68-7 | | | | | | | | | | | | | | | | | | | | | | | 5 | |
| Butyl glycidyl ether, n- | 2426-08-6 | 133 | | 270 | | | | | | 135 | 270 | 135 | | 133 | | | | | | 135 | | | | 135 | |
| Butyl lactate, n- | 138-22-7 | 30 | | | | 25 | | | | 30 | 25 | 30 | | 30 | | | | | | 25 | | | | 25 | |
| Butyl mercaptan, 1- | 109-79-5 | 1,8 | | 35 | | | | 1,9 | | 1,9 | 3,8 | 1,5 | | 1,8 | | | | | | 1,5 | | | | 1,5 | |
| Butyl Methyl Ether, Tert- | 1634-04-4 | | | | | | | | | | | | | | | 100 | 200 | 100 | 200 | | | | | | |
| Butylamine, n- | 109-73-9 | | 15(C) | | 15(C) | | | 15 | | 15 | 75 | 15 | | 15 | | | | | | 15 | | | | 15 | |
| Butylphenol, P-Tert- | 98-54-4 | | | | | | | | | | | 60 | 120 | | | | | | | | | | | | |
| C.I.Pigment White | 1344-36-1 | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| Cadmium | 7440-43-9 | 1.011 | | 0,005 | | | | | | 0,03 | | 0,05 | | 0,05 | | 0,05 | 0,1 | 0,05 | 0,1 | | | | | 0,02 | 0,1 |
| Cadmium fume (asCd) | 1306-19-0 | 0.002(R) | | 0,005 | | | | | | 0.002 | | 0,05 | | 0,05 | | | | | | 0,05 | | | | 0,05 | 0,05 |
| Calcium arsenate | 7778-44-1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Calcium carbimide | 156-62-7 | 0,5 | | | | 0,5 | | 1(I) | | 0,5 | | 0,5 | | 0,5 | | | | | | 0,5 | | | | 0,5 | 1 |
| Calcium Carbonate | 471-34-1 | | | | | | | | | | 10 | | | 10(I) | | | | | | 10 | | | | 10 | |
| Calcium Chromate | 13765-19-0 | | | | | | | | | | | | | | | | | | | 0,05 | | | | | |
| Calcium hydroxide | 1305-62-0 | 5 | | 15(I)/5(R) | | 5 | | | | 5 | | 5 | | 5 | | | | | | 5 | | | | 5 | |
| Calcium oxide | 1305-78-8 | 2 | | 5 | | 2 | | | | 2 | 2 | 2 | | 2 | | | | | | 2 | | | | 2 | 5 |
| Calcium silicate | 1344-95-2 | 10 | | 15(I)/5(R) | | 10(I)/5(R) | | | | 6 | | 10 | | 10(I) | | | | | | | | | | | |
| Calcium sulfate | 7778-18-9 | 10 | | 15(I)/5(R) | | 10(I)/5(R) | | 6(R) | | | | 10 | | 10(I) | | | | | | | | | | | |
| Calcium sulfate hemihydrate | 26499-65-0 | 10 | | 15(I)/5(R) | | 10(I)/5(R) | | 6(R) | | | | | | | | | | | | | | | | | |
| Calcium(II) Sulfate Dihydrate | 10101-41-4 | | | | | | | | | | | | | | | | | | | | | | | | 10 |
| Camphor | 76-22-2 | 12 | 19 | 2 | | 2 | | 13 | | 13 | | 12 | 19 | 12 | 19 | | | | | 12 | | | | 12 | |
| Caprolactam | 105-60-2 | 5 | | | | 1 | 3 | 5(I) | | 5(I) | | 20 | 40 | 20 | 40 | 10 | 20 | 10 | 20 | 20 | | | | 20 | 1 |
| Captafol | 2425-06-1 | 5 | | | | 5 | | | | 0,1(I) | | 0,1 | | 0,1 | | | | | | 0,1 | | | | 0,1 | |
| Captan | 133-06-2 | 5 | | | | 5 | | | | 5(I) | | 5 | | 5 | | | | | | 5 | | | | 5 | |
| Carbaryl | 63-25-2 | 5 | | 5 | | 5 | | 5(I) | | 5(I) | | 5 | | 5 | | | | | | 5 | | | | 5 | 1 |
| Carbofuran | 1563-66-2 | 0,1 | | | | 0,1 | | | | 0,1 | | 0,1 | | 0,1 | | | | | | 0,1 | | | | 0,1 | |
| Carbon (Respirable Dust) | 7440-44-0 | | | | | | | | | | | | | 2,5(R) | | 2,5(R) | | | | | | | | 10 | |
| Carbon black | 1333-86-4 | 3,5 | | 3,5 | | | | | | | | 3 | | 3,5 | | | | | | 3,5 | | | | 3,5 | |
| Carbon dioxide | 124-38-9 | 9000 | 54000 | 9000 | | | | 3,5/10-hr TWA 9000 | 54000 | 9100 | 9000 | | 22500 | 54000 | 9000 | 54000 | 9000 | 45000 | 9000 | 45000 | | | | 9000 | 9000 |
| Carbon disulfide | 75-15-0 | 31 | | | | | | 30(C)/ 100 (30-min peak/8-hr shift) | | 3 | 30 | 16 | | 15 | 30 | 30 | | | | 31 | | | | 10 | 20 |
| Carbon monoxide | 630-08-0 | 29 | | 55 | | 40 | | 229(C) | 35 | 35 | 70 | 57 | 458 | 57 | 458 | 30 | 150 | 30 | 150 | 55 | | | 29 | 139 | 20 |
| Carbon tetrachloride | 56-23-5 | 31 | 63 | | | | | 25(C)/200(5 min peak in any 4-hrs) | | 12,6(60-min) | 64 | | 3,2 | 6,4 | 31 | | | | | 31 | | | 10 | 20 | 10 |
| Carbonyl difluoride | 353-50-4 | 5,4 | 13 | | | 5 | | 15 | | 5 | | 5 | 13 | 5,4 | 13 | | | | | | | | | | |
| Carbonyl Sulfide | 463-58-1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Catechol | 120-80-9 | 23 | | | | 20 | | | | 23 | | 23 | | 23 | | | | | | 20 | | | | 20 | |
| Cellulose | 9004-34-6 | 10 | | 15(I)/5(R) | | 10(I)/5(R) | | | | 6 | | 10 | | 10 | | | | | | 10 | | | | 10 | |
| Cesium hydroxide | 21351-79-1 | 2 | | | | 2 | | | | 2 | | 2 | | 2 | | | | | | 2 | | | | 2 | |
| Chlordane | 57-74-9 | 0,5 | | 0,5 | | 0,5 | | 0,5(I) | | 0,5 | | 0,5 | | 0,5 | | 2 | | | | 0,5 | | | | 0,5 | |
| Chlordecone | 143-50-0 | | | | | 0,001 | | | | | | | | | | | | | | | | | | | |
| Chlorinated Diphenyl Oxide | 57321-63-8 | | | | | | | | | | | | | 0,5 | | 0,5 | 2 | | | | | | | | |
| Chlorinated Naphthalenes | 90-13-1 | | | | | | | | | | | | | | | | | | | | | | | | 0,2 |
| Chlorine | 7782-50-5 | 1,5 | 2,9 | | 3(C) | | | 1,45(C)/15-min | 1,5(C) | 1,5 | 1,5 | 3 | | 1,5 | 3 | 3 | 6 | 3 | 6 | 3 | 3 | | | 3 | 3 |

Table C-1

Occupational Exposure Guidelines

| CHEMICAL NAME | CAS NO | ACGIH | | OSHA | | NIOSH | | DFG MAK | | SWISS | | Australia | | Belgium | | Czech Republic | | Slovakia | | France | | Holland | | Hungary | |
|--|------------|-------|---------|------------|--------|-----------------|----------------|---------|--------|--------|------|-----------|------|---------|------|----------------|-------|----------|-------|--------|------|---------|------|---------|------|
| | | TWA | STEL | TWA | STEL | TWA | STEL | TWA | PEAK | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL |
| Chlorine dioxide | 10049-04-4 | 0.28 | 0.83 | 0.3 | | 0.3 | 0.9 | 0.28 | | 0.3 | 0.3 | 0.3 | 0.83 | 0.28 | 0.83 | | | | | 0.3 | 0.8 | 0.3 | | | |
| Chlorine trifluoride | 7790-91-2 | | 0.38(C) | | 0.4(C) | | 0.4(C) | 0.38 | | 0.4 | 0.4 | 0.38 | | | 0.38 | | | | | 0.4 | 0.4 | | | | |
| Chloro-1,1-Difluoroethane, 1- | 75-68-3 | | | | | | | | | | | | | | | | | | | | | | 100 | 200 | |
| Chloro-1,3-butadiene, 2- | 126-99-8 | 36 | | 90 | | | 3.6(C)/15-min. | | | 18 | 36 | 36 | | 36 | | 50 | 100 | 50 | 100 | 36 | | 36 | 10 | 30 | |
| Chloro-1-nitropropane, 1- | 600-25-9 | 10 | | 100 | | 10 | | | | 10 | | 10 | | 10 | | | | | | 10 | | 10 | | | |
| Chloro-2,4-Dinitrobenzene, 1- | 97-00-7 | | | | | | | | | | | | | | | 0.5 | 1 | 0.5 | 1 | | | | | 1 | |
| Chloro-2-Nitrobenzene, 1- | 88-73-3 | | | | | | | | | | | | | | | 1 | 2 | 1 | 2 | | | | | | |
| Chloro-3-Nitrobenzene, 1- | 121-73-3 | | | | | | | | | | | | | | | 1 | 2 | 1 | 2 | | | | | | |
| Chloro-4-nitrobenzene, 1- | 100-00-5 | 0.64 | | 1 | | | | | | 0.5 | 1 | 0.6 | | 0.64 | | | | | | | 1 | | 1 | 2 | |
| Chloroacetaldehyde | 107-20-0 | | 3.2(C) | | 3(C) | | 3(C) | | | 3 | 3 | 3.2 | | | 3.2 | | | | | 3 | 3 | | | | |
| Chloroacetic Acid | 79-11-8 | | | | | | | | | | | | | | | 0.5 | 1 | 0.5 | 1 | | | | | | |
| Chloroacetone | 78-95-5 | | | | | | | | | | | 3.8 | | | 3.8 | | | | | | | | | | |
| Chloroacetophenone, 2- | 532-27-4 | 0.32 | | 0.3 | | 0.3 | | | | 0.3 | | 0.32 | | 0.32 | | | | | | 0.3 | | 0.3 | | | |
| Chloroacetyl chloride | 79-04-9 | 0.23 | 0.69 | | | 0.2 | | | | 0.24 | | 0.23 | | 0.23 | | | | | | 0.2 | | 0.2 | | | |
| Chloroaniline, m- | 108-42-9 | | | | | | | | | | | | | | | | | | | | | | 0.05 | 0.1 | |
| Chlorobenzalmonitrile, 2- | 2698-41-1 | | 0.39(C) | 0.4 | | | 0.4(C) | | | 0.4 | | 0.39 | | 0.39 | | | | | | 0.4 | 0.4 | | | | |
| Chlorobenzene | 108-90-7 | 46 | | 350 | | | | 47 | | 46 | 92 | 345 | | 345 | | 200 | 800 | 200 | 800 | 350 | | 350 | 100 | 200 | |
| Chlorodifluoromethane | 75-45-6 | 3540 | | | | 3500 | 4375 | 1800 | | 1800 | | 3540 | | 3540 | 4430 | | | | | 3500 | | 3600 | 100 | 200 | |
| Chloroethane | 75-00-3 | 264 | | 2600 | | | | 25 | | 25 | | 2640 | | 2640 | | | | | | 2600 | | 2600 | 100 | 300 | |
| Chloroethanol, 2- | 107-07-3 | | 3.3(C) | 16 | | | 3(C) | 3.3 | | 3 | 15 | 3 | | | 3.3 | | | | | 3 | 3 | | | | |
| Chlorofluoromethane | 593-70-4 | | | | | | | | | | | | | | | | | | | | | | 100 | 200 | |
| Chloroform | 67-66-3 | 49 | | | 240(C) | | 9.75/60min | 2.5 | | 2.5 | 5 | 49 | | 49 | | 10 | 20 | 10 | 20 | 25 | 250 | 5 | | 10 | |
| Chloromethane | 74-87-3 | 103 | 207 | 205 | 410 | | | 100 | | 105 | 210 | 103 | 207 | 103 | 207 | 100 | 200 | 100 | 200 | 105 | 210 | 105 | 20 | 40 | |
| Chloromethyl Methyl Ether | 107-30-2 | | | | | | | | | | | | | | | 0.003 | 0.007 | 0.003 | 0.007 | | | | | | |
| Chloropentafluoroethane | 76-15-3 | 6320 | | | | 6320 | | | | 6400 | | 6320 | | 6320 | | | | | | 6320 | | 6460 | 100 | 200 | |
| Chlorophenyl Isocyanate, M- | 2909-38-8 | | | | | | | | | | | | | | | | | | | | | | | 0.05 | |
| Chlorophos | 52-68-6 | | | | | | | | | | | | | | | | | | | | | | | 0.5 | |
| Chloropicrin | 76-06-2 | 0.67 | | 0.7 | | 0.7 | | 0.68 | | 0.7 | 0.7 | 0.67 | | 0.67 | 2 | | | | | 0.7 | | 0.7 | | | |
| Chlorostyrene, 2- | 2039-87-4 | 283 | 425 | | | 285 | 430 | | | 285 | | 285 | 425 | 283 | 425 | | | | | 285 | | 285 | | | |
| Chlorotoluene, 2- | 95-49-8 | 259 | | | | 250 | 375 | | | 250 | | 250 | | 259 | 388 | | | | | 250 | | 250 | | | |
| Chlorotrifluoroethane | 1330-45-6 | | | | | | | | | | | | | | | | | | | | | | 100 | 200 | |
| Chlorotrifluoromethane | 75-72-9 | | | | | | | | | | | | | | | | | | | | | 8700 | | | |
| Chlorpyrifos | 2921-88-2 | 0.2 | | | | 0.2 | 0.6 | | | 0.2 | | 0.2 | 0.6 | 0.2 | 0.6 | | | | | 0.2 | | 0.2 | | | |
| Chromates | 13907-45-4 | | | | | | | | | | | | | | | | | | | | | | | 0.02 | |
| Chromic Acid | 7738-94-5 | | | | | | | | | | | | | | | | | | | | | | | 0.02 | |
| Chromite | 1308-31-2 | | | | | | | | | | | | | 0.05 | | | | | | | | | | | |
| Chromium | 7440-47-3 | 0.5 | | 1 | | 0.5 | | | | 0.5(I) | | 0.05 | | 0.05 | | 0.05 | 0.1 | 0.05 | 0.1 | 0.5 | | 0.5 | | | |
| Chromium trioxide | 1333-82-0 | 0.05 | | | 0.1 | 0.001 | | | | 0.05 | 0.1 | 0.05 | | 0.05 | | | | | | 0.05 | 0.1 | | | | |
| Chromyl chloride | 14977-61-8 | 0.16 | | | | 0.001/10-hr TWA | | | | 0.05 | | | | 0.16 | | | | | | | | 0.15 | | | |
| Clopidol | 2971-90-6 | 10 | | 15(I)/5(R) | | 10(I)/5(R) | 20(R) | | | 10 | | 10 | | 10 | 20 | | | | | 10 | | 10 | | | |
| Coal tar volatiles | 65996-93-2 | 0.2 | | 0.2 | | 0.1 | | | | 0.2 | | 0.2 | | 0.2 | | | | | | 0.2 | | 0.2 | | | |
| Cobalt | 7440-48-4 | 0.02 | | 0.1 | | 0.05 | | | | 0.1(R) | | 0.05 | | 0.05 | | 0.05 | 0.1 | 0.05 | 0.1 | | | 0.05 | 0.1 | 0.2 | |
| Cobalt carbonyl | 10210-68-1 | 0.1 | | | | 0.1 | | | | | | 0.01 | | 0.1 | | 0.1 | 0.1 | 0.05 | 0.1 | 0.1 | | 0.1 | 0.1 | 0.02 | |
| Cobalt hydrocarbonyl | 16842-03-8 | 0.1 | | | | 0.1 | | | | | | 0.1 | | 0.1 | | 0.1 | | | | 0.1 | | 0.1 | | | |
| Collophonium (Fumes) (As Formaldehyde) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Copper | 7440-50-8 | 0.2 | | 0.1 | | 0.1 | | | 1(I) | 0.1 | 0.2 | 0.2 | | 0.2 | | | | | | 0.2 | | 0.2 | 0.2 | 0.4 | |
| Copper fume (asCu) | 1317-38-0 | 0.2 | | 0.1 | | 0.1 | | | 0.1(R) | | | | | | | | | | | | | | 0.2 | 0.4 | |
| Corundum | 1302-74-5 | 10 | | 15(I)/5(R) | | | | | | 6(R) | | | | | | | | | | | | | | | |
| Cotton Dust (Raw Cotton) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cresol (All Isomers) | 1319-77-3 | | | | | | | | | | | 22 | | 22 | | 20 | 40 | 20 | 40 | 22 | | 22 | | 5 | 10 |

Table C-1

Occupational Exposure Guidelines

| CHEMICAL NAME | CAS NO | ACGIH | | OSHA | | NIOSH | | DFG MAK | | SWISS | | Australia | | Belgium | | Czech Republic | | Slovakia | | France | | Holland | | Hungary | |
|--------------------------------------|------------|-------|---------|---------------------|---|-------|----------------|---------|------|-------|------|-----------|------|---------|------|----------------|------|----------|------|--------|------|---------|------|---------|------|
| | | TWA | STEL | TWA | STEL | TWA | STEL | TWA | PEAK | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL |
| Cresol, m- | 108-39-4 | 22 | | 22 | | 2.3 | | | | | | | | | | | | | | | | | | | |
| Cresol, o- | 95-48-7 | 22 | | 22 | | 10 | | | | | | | | | | | | | | | | | | | |
| Cresol, p- | 106-44-5 | 22 | | 22 | | 2.3 | | | | | | | | | | | | | | | | | | | |
| Cristobalite | 14464-46-1 | | | | | | | | | | | | | 0.05(R) | | | | | | | | 0.075 | | | |
| Crotonaldehyde | 4170-30-3 | | 0.86(C) | 6 | | 6 | | | | | | 5.7 | | | | 0.5 | 1 | 0.5 | 1 | | | | | | |
| Cumene | 98-82-8 | 246 | | 245 | | 245 | | 250 | | 245 | 1225 | 246 | | 246 | | | | | | 245 | | 245 | | 80 | 100 |
| Cyanamide | 420-04-2 | 2 | | | | 2 | | | | 20(I) | | 2 | | 2 | | | | | | 2 | | 2 | | | |
| Cyanides (As CN) | 57-12-5 | | | | | | | | | | | 5 | | | | 3 | 10 | 3 | 10 | 5 | | 5 | | 0.3 | 0.6 |
| Cyano-1-propene, 2- | 126-98-7 | | | | | | | | | 3 | | 2.7 | | 2.7 | | | | | | 3 | | 3 | | | |
| Cyano-2-propanol, 2- | 75-86-5 | | 5 | | | | 4 | | | | | | | | | | | | | | | | | 0.9 | |
| Cyanogen | 460-19-5 | 21 | | | | 20 | | 22 | | 22 | 110 | 21 | | 21 | | | | | | 4 | 20 | 20 | | | |
| Cyanogen chloride | 506-77-4 | | 0.75(C) | | | | 0.06(C) | | | 0.8 | | 0.6 | | 0.75 | | | | | | 0.6 | 0.6 | 0.6 | | | |
| Cyclohexane | 110-82-7 | 1038 | | 1050 | | 1050 | | 700 | | 700 | 1400 | 1030 | | 1030 | | | | | | 1050 | 1300 | 875 | | 500 | 1000 |
| Cyclohexanethiol | 1569-69-3 | | | | | | 2.4(C)/15-min. | | | | | | | | | | | | | | | | | | |
| Cyclohexanol | 108-93-0 | 206 | | 200 | | 200 | | 210 | | 200 | 400 | 206 | | 206 | | 200 | 400 | 200 | 400 | 200 | 300 | 1 | | 20 | 40 |
| Cyclohexanone | 108-94-1 | 100 | | 200 | | 100 | | | | 100 | 200 | 100 | | 100 | | 200 | 400 | 200 | 400 | 100 | | 200 | | 100 | 200 |
| Cyclohexene | 110-83-8 | 1010 | | 1015 | | 1015 | | 1000 | | 1015 | | 1010 | | 1010 | | | | | | 1015 | | 1015 | | | |
| Cyclohexylamine | 108-91-8 | 41 | | | | 40 | | 41 | | 40 | 80 | 41 | | 41 | | 40 | 80 | 40 | 80 | 40 | | 40 | | 1 | 2 |
| Cyclopentadiene, 1,3- | 542-92-7 | 203 | | 200 | | 200 | | 210 | | 200 | | 200 | | 203 | | | | | | 200 | | 200 | | 20 | 40 |
| Cyclopentane | 287-92-3 | 1720 | | | | 1720 | | | | 1720 | | 1720 | | 1720 | | | | | | 1720 | | 1720 | | | |
| D, 2,4- | 94-75-7 | 10 | | 10 | | 10 | | 10(I) | | 1 | 5 | 10 | | 10 | | | | | | 10 | | 10 | | 1 | 2 |
| DDT, 4,4'- | 50-29-3 | 1 | | 1 | | 0.5 | | 10(I) | | 1 | | 1 | | 1 | | | | | | 1 | | 1 | | | 0.1 |
| Decaborane | 17702-41-9 | 0.25 | 0.75 | 0.3 | | 0.3 | 0.9 | 0.25 | | 0.25 | 0.5 | 0.3 | 0.75 | 0.25 | 0.75 | | | | | 0.3 | | 0.3 | | 0.3 | 0.6 |
| Decalin | 91-17-8 | | | | | | | | | | | | | | | | | | | | | | | 100 | 200 |
| Decanethiol, 1- | 143-10-2 | | | | | | 3.6(C)/15-min. | | | | | | | | | | | | | | | | | | |
| Demeton | 8065-48-3 | 0.11 | | 0.1 | | 0.1 | | | | 0.1 | | 0.11 | | 0.11 | | | | | | 0.1 | | 0.1 | | | |
| Di-n-butyl phthalate | 84-74-2 | 5 | | 5 | | 5 | | | | 5 | | 5 | | 5 | | 5 | 10 | 5 | 10 | 5 | | 5 | | 2 | 4 |
| Di-n-butylaminoethanol, 2- | 102-81-8 | 3.5 | | | | 14 | | | | 14 | | 14 | | 14 | | | | | | 14 | | 14 | | | |
| Di-t-butyl-p-cresol, 2,6- | 128-37-0 | 10 | | | | 10 | | | | 10 | | 10 | | 10 | | | | | | 10 | | 10 | | | |
| Dialkyl 79 Phthalate | 83968-18-7 | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| Diallyl Phthalate | 131-17-9 | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| Diaminodiphenylmethane, 4,4'- | 101-77-9 | 0.81 | | | | | | | | 0.1 | | 0.81 | | 0.81 | | | | | | | | 0.8 | | | |
| Dianisidine, o- | 119-90-4 | | | | | | | | | 0.03 | | | | | | | | | | | | | | | |
| Diatomaceous earth | 7631-86-9 | 3(R) | | 20 mppcf or 80%SiO2 | | 6 | | 0.3(R) | | 4 | | 10 | | 0.1 | | | | | | | | | | | |
| Diazomethane | 334-88-3 | 0.34 | | 0.4 | | 0.4 | | | | 0.35 | | 0.34 | | | | 0.1 | 0.2 | 0.1 | 0.2 | | | 0.4 | | | |
| Dibenzothiazine | 92-84-2 | 5 | | | | 5 | | | | 5 | | 5 | | 5 | | | | | | 5 | | 5 | | | |
| Diborane | 19287-45-7 | 0.11 | | 0.1 | | 0.1 | | | | 0.1 | 0.1 | 0.11 | | 0.11 | | 0.1 | 0.2 | 0.1 | 0.2 | 0.1 | | 0.1 | | | |
| Dibromo-3-chloropropane, 1,2- | 96-12-8 | | | | | | | | | | | | | | | | | | | | | | | | |
| Dibutyl phosphate | 107-66-4 | 8.6 | 17 | 5 | | 5 | 10 | | | 8.5 | | 5 | 10 | 8.8 | 17 | | | | | 5 | | 5 | | | |
| Dichloro-1-nitroethane, 1,1- | 594-72-9 | 12 | | | 60(C) | 10 | | 60 | | 12 | | 12 | | 12 | | | | | | 10 | | 10 | | | |
| Dichloro-1-propene, 1,3- | 542-75-6 | 4.5 | | | | 5 | | | | 0.5 | | 4.5 | | 4.5 | | | | | | | | 5 | | | |
| Dichloro-5,5-dimethylhydantoin, 1,3- | 118-52-5 | 0.2 | 0.4 | 0.2 | | 0.2 | | | | 0.2 | | 0.2 | 0.4 | 0.2 | 0.4 | | | | | 0.2 | | 0.2 | | | |
| Dichloroacetylene | 7572-29-4 | | 0.39(C) | | | | 0.4(C) | | | 0.4 | | 0.39 | | 0.39 | | | | | | | | 0.4 | | | |
| Dichlorobenzene, 1,2- | 95-50-1 | 150 | 301 | | 300(C) | | 300(C) | 300 | | 300 | 600 | 301 | | 301 | | | | | | | 300 | 300 | | 50 | 100 |
| Dichlorobenzene, 1,4- | 106-46-7 | 60 | | 450 | | | | 300 | | 300 | 600 | 451 | 661 | 451 | 661 | | | | | 450 | 675 | 150 | 300 | | |
| Dichlorobenzidine, 3,3'- | 91-94-1 | | | | | | | 0.03 | | | | | | | | | | | | | | | | | |
| Dichlorodifluoromethane | 75-71-8 | 4950 | | 4950 | | 4950 | | 5000 | | 5000 | | 4950 | | 4950 | | | | | | 4950 | | 5040 | | 100 | 200 |
| Dichloroethane, 1,1- | 75-34-3 | 405 | | 400 | | 400 | | 410 | | 400 | 800 | 810 | 1010 | 810 | 1010 | | | | | 810 | | | | | |
| Dichloroethane, 1,2- | 107-06-2 | 40 | | 200 | 100(C)/ 200 (5-min. peak in any 3 hrs.) | 4 | 8 | | | 20 | | 40 | | 40 | | 50 | 100 | 50 | 100 | 40 | | 200 | | 4 | |
| Dichloroethene, 1,1- | 75-35-4 | 20 | | | | | | 8 | | 8 | 16 | 20 | 79 | 20 | 79 | | | | | 20 | | 20 | | 80 | |
| Dichloroethylene, 1,2- | 540-59-0 | 793 | | 790 | | 790 | | | 800 | 790 | 1580 | 793 | | 793 | | | | | | | | 790 | | 80 | 160 |

Table C-1

Occupational Exposure Guidelines

| CHEMICAL NAME | CAS NO | ACGIH | | OSHA | | NIOSH | | DFG MAK | | SWISS | | Australia | | Belgium | | Czech Republic | | Slovakia | | France | | Holland | | Hungary | |
|----------------------------|----------|-------|------|------|------|-------|------|---------|------|-------|------|-----------|------|---------|------|----------------|------|----------|------|--------|------|---------|------|---------|------|
| | | TWA | STEL | TWA | STEL | TWA | STEL | TWA | PEAK | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL |
| Dichloroethylene, cis-1,2- | 156-59-2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Dichlorofluoromethane | 75-43-4 | 42 | | 4200 | | 40 | | 43 | | 40 | 80 | 42 | | 42 | | | | | | 40 | | | | 30 | |
| | | | | | | | | | | | | | | | | | | | | | | | | 43 | 40 |

Table C-1

Occupational Exposure Guidelines

| CHEMICAL NAME | CAS NO | ACGIH | | OSHA | | NIOSH | | DFG MAK | | SWISS | | Australia | | Belgium | | Czech Republic | | Slovakia | | France | | Holland | | Hungary | |
|---------------------------------|------------|-------|------|------|--------|-------|------|------------------|------|-------|------|-----------|------|---------|------|----------------|------|----------|------|--------|------|---------|------|---------|------|
| | | TWA | STEL | TWA | STEL | TWA | STEL | TWA | PEAK | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL |
| Dichloropropane, 1,2- | 78-87-5 | 347 | 508 | 350 | | | | | | 350 | 1750 | 347 | | 347 | 509 | | | | | 350 | | 350 | | 50 | 100 |
| Dichloropropanoic acid, 2,2- | 75-99-0 | 51 | | | | 6 | | 5,9 | | 6 | | 5.8 | | 5.8 | | | | | | 6 | | 6 | | | |
| Dichlorotetrafluoroethane | 1320-37-2 | | | | | | | | | | | | | | | | | | | | | 7130 | | | |
| Dichlorotetrafluoroethane, 1,2- | 76-14-2 | 6990 | | 7000 | | 7000 | | 7100 | | 7000 | | 6990 | | 6990 | | | | | | 7000 | | 7130 | | 100 | 200 |
| Dichlorvos | 62-73-7 | 0.9 | | 1 | | 1 | | 1 | | 1 | | 0.9 | | 0.9 | | | | | | 1 | | 1 | | | 0.2 |
| Dicrotophos | 141-66-2 | 0.25 | | | | 0.25 | | | | 0.25 | | 0.25 | | 0.25 | | | | | | 0.25 | | 0.25 | | | |
| Dicyanobenzene, 1,3- | 626-17-5 | 5 | | | | 5 | | | | 5 | | 5 | | 5 | | | | | | 5 | | 5 | | | |
| Dicyanoethane, 1,2- | 110-61-2 | | | | | 20 | | | | | | | | | | | | | | | | | | | |
| Dicyclohexyl Phthalate | 84-61-7 | | | | | | | | | | | | | | | | | | | | | | 5 | | |
| Dicyclohexylamine Nitrite | 3129-91-7 | | | | | | | | | | | | | | | 1 | 5 | 1 | 5 | | | | | | |
| Dicyclopentadiene | 77-73-6 | 27 | | | | 30 | | 2,7 | | 3 | 3 | 27 | | 27 | | | | | | 30 | | 30 | | | |
| Dieldrin | 60-57-1 | 0.25 | | 0.25 | | 0.25 | | 0.25(1) | | 0.25 | | 0.25 | | 0.25 | | | | | | 0.25 | | 0.25 | | | |
| Diethanolamine | 111-42-2 | 2 | | | | 15 | | | | 13 | | 13 | | 13 | | | | | | 15 | | 15 | | | |
| Diethyl benzene | 1321-74-0 | 53 | | | | 50 | | | | | | 53 | | 53 | | | | | | 50 | | 50 | | | |
| Diethyl ether | 60-29-7 | 1210 | 1520 | 1200 | | | | 1200 | | 1200 | 2400 | 1200 | 1500 | 1210 | 1520 | 500 | 1500 | 500 | 1500 | 1200 | 1500 | 1200 | | 300 | 600 |
| Diethyl ketone | 96-22-0 | 705 | 1057 | | | 705 | | | | 705 | | 705 | | 705 | | | | | | 705 | | 705 | | | |
| Diethyl phthalate | 84-66-2 | 5 | | | | 5 | | | | 5(1) | | 5 | | 5 | | | | | | 5 | | 5 | | | |
| Diethylamine | 109-89-7 | 15 | 45 | 75 | | 30 | 75 | 15 | | 15 | 30 | 30 | 75 | 30 | 75 | | | | | 30 | 30 | 30 | | 30 | 60 |
| Diethylaminoethanol | 100-37-8 | 9.6 | | 50 | | 50 | | 24 | | 50 | | 48 | | 48 | | | | | | 50 | | 50 | | | |
| Diethylene Glycol Dinitrate | 693-21-0 | | | | | | | | | | | | | | | 0.5 | 1 | 0.5 | 1 | | | | | | |
| Diethylenetriamine | 111-40-0 | 4.2 | | | | 4 | | | | 4 | | 4.2 | | 4.2 | | | | | | 4 | | 4 | | | 4 |
| Difluorodibromomethane | 75-61-6 | 858 | | 860 | | 860 | | 870 | | 860 | 1720 | 858 | | 858 | | | | | | 860 | | 860 | | | |
| Difluoroethane, 1,1- | 75-37-6 | | | | | | | | | | | | | | | | | | | | | | 200 | 500 | |
| Difluoroethane, 1,1- | 75-38-7 | 1310 | | | | | | 5(C)/15-min | | | | | | | | | | | | | | | | | |
| Diglycidyl ether | 2238-07-5 | 0.53 | | | 2.8(C) | 0.5 | | 0.54 | | 0.5 | 0.5 | | | 0.53 | | | | | | 0.5 | | 0.5 | | | |
| Diisobutyl ketone | 108-83-8 | 145 | | 290 | | 150 | | | | 150 | | 145 | | 145 | | | | | | 150 | | 150 | | | |
| Diisobutyl Phthalate | 84-69-5 | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| Diisocyanatoluene (All Isomers) | 26471-62-5 | | | | | | | | | | | | | | | | | | | 0.08 | 0.16 | | | | 0.04 |
| Diisodecyl Phthalate | 26761-40-0 | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| Diisononyl Phthalate | 28553-12-0 | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| Diisooctyl Phthalate | 27554-26-3 | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| Diisopropylamine | 108-18-9 | 21 | | 20 | | 20 | | | | 20 | | 21 | | 21 | | | | | | 20 | | 20 | | | |
| Dimethyl acetamide, N,N- | 127-19-5 | 36 | | 35 | | 35 | | 36 | | 35 | 175 | 36 | | 36 | | | | | | 35 | | 35 | | | |
| Dimethyl formamide | 68-12-2 | 30 | | 30 | | 30 | | 30 | | 30 | 60 | 30 | | 30 | | 30 | 60 | 30 | 60 | 30 | | 30 | | 10 | 20 |
| Dimethyl sulfate | 77-78-1 | 0.52 | | 5 | | 0.5 | | | | 0.1 | | 0.52 | | 0.52 | | 0.05 | 0.1 | 0.05 | 0.1 | 0.5 | | 0.5 | | | 0.1 |
| Dimethylamine | 124-40-3 | 9.2 | 27.6 | 18 | | 18 | | 3,7 | | 4 | 8 | 18 | | 18 | | | | | | 18 | | 1.8 | | 1 | 2 |
| Dimethylaniline, N,N- | 121-69-7 | 25 | 50 | 25 | | 25 | | 50 | | 25 | 50 | 25 | 50 | 25 | 50 | | | | | 25 | | 25 | | 5 | 10 |
| Dimethylbenzidine, 3,3'- | 119-93-7 | | | | | | | 0.02(C)/ 60 min. | | | | 0.03 | | | | | | | | | | | | | |
| Dimethylbutane, 2,2- | 75-83-2 | 1760 | 3500 | | | 350 | | 720 | | 700 | 1400 | | | | | | | | | | | 1800 | | | |
| Dimethylbutane, 2,3- | 79-29-8 | 1760 | 3500 | | | 350 | | 720 | | 700 | 1400 | | | | | | | | | | | 1800 | | | |
| Dimethylether | 115-10-6 | | | | | | | | | | | | | | | | | | | | | | 1910 | | |
| Dimethylethylamine, N,N- | 598-56-1 | | | | | | | | | | | | | | | | | | | 15 | 75 | | 75 | | |
| Dimethylhydrazine, 1,1- | 57-14-7 | 0,025 | | 1 | | | | 0.15(C)/ 120-min | | 1.2 | | 1.2 | | 5 | | | | | | 0.2 | | 1 | | | |
| Dimethylphthalate | 131-11-3 | 5 | | 5 | | 5 | | | | 5 | | 5 | | 5 | | | | | | 5 | | 5 | | | |
| Dinitro-o-Cresol (All Isomers) | 1335-85-9 | | | | | | | | | | | | | | | 0.05 | 0.1 | 0.05 | 0.1 | | | | | | |
| Dinitro-o-cresol, 4,6- | 534-52-1 | 0,2 | | 0,2 | | 0,2 | | | | 0,2 | 0,4 | 0,2 | | 0,2 | | | | | | 0,2 | | 0,2 | | 0,05 | 0,1 |
| Dinitrobenzene (All Isomers) | 25154-54-5 | | | | | | | | | | | | | | | 1 | 2 | 1 | 2 | 1 | | 1 | | 1 | 2 |
| Dinitrobenzene, 1,2- | 528-29-0 | 1 | | 1 | | 1 | | | | | | 1 | | 1 | | | | | | | | | | | |
| Dinitrobenzene, 1,3- | 99-65-0 | 1 | | 1 | | 1 | | | | | | 1 | | 1 | | | | | | | | | | | |
| Dinitrobenzene, 1,4- | 100-25-4 | 1 | | 1 | | 1 | | | | | | 1 | | 1 | | | | | | | | | | | |
| Dinitrothiocyanobenzene, 2,4- | 1594-56-5 | | | | | | | | | | | | | | | | | | | | | | | 2 | 10 |
| Dinitrotoluene | 25321-14-6 | 0,2 | | 1,5 | | 1,5 | | | | | | | | 1,5 | | | | | | | | | | | |

Table C-1

Occupational Exposure Guidelines

| CHEMICAL NAME | CAS NO | ACGIH | | OSHA | | NIOSH | | DFG MAK | | SWISS | | Australia | | Belgium | | Czech Republic | | Slovakia | | France | | Holland | | Hungary | |
|----------------------|----------|-------|------|------|------|-------|------|---------|------|-------|------|-----------|------|---------|------|----------------|------|----------|------|--------|------|---------|------|---------|------|
| | | TWA | STEL | TWA | STEL | TWA | STEL | TWA | PEAK | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL |
| Dinitrotoluene, 2,4- | 121-14-2 | | | | | | | | | | | 1.5 | | | | 1 | 2 | 1 | 2 | | | 1.5 | | | |
| Dinonyl Phthalate | 84-76-4 | | | | | | | | | | | | | | | | | | | | | 5 | | | |

Table C-1

Occupational Exposure Guidelines

| CHEMICAL NAME | CAS NO | ACGIH | | OSHA | | NIOSH | | DFG MAK | | SWISS | | Australia | | Belgium | | Czech Republic | | Slovakia | | France | | Holland | | Hungary | |
|---------------------------------|------------|--------|--------|------|-------------------------------|-------|-----------------|---------|------|-------|------|-----------|------|---------|------|----------------|------|----------|------|--------|------|---------|------|---------|------|
| | | TWA | STEL | TWA | STEL | TWA | STEL | TWA | PEAK | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL |
| Dioxane, 1,4- | 123-91-1 | 72 | | 360 | | | 3.6(C)/30-min. | 73 | | 72 | 144 | 90 | | 90 | | | | | | 35 | 140 | 40 | | | 10 |
| Dioxathion | 78-34-2 | 0.2 | | | | 0.2 | | | | 0.2 | | 0.2 | | 0.2 | | | | | | 0.2 | | 0.2 | | | |
| Dioxolane, 1,3- | 646-06-0 | | | | | | | | | | | | | | | | | | | | | | | | |
| Diphenyl ether | 101-84-8 | 7 | 14 | 7 | | 7 | | 7.1 | | 7 | | 7 | 14 | 7 | 14 | | | | | 7 | | 7 | | 10 | 20 |
| Diphenylamine | 122-39-4 | 10 | | | | 10 | | | | 10 | | 10 | | 10 | | 5 | 10 | 5 | 10 | 10 | | 10 | | | |
| Dipropylene glycol methyl ether | 34590-94-8 | 606 | 909 | 600 | | 600 | 900 | 310 | | 300 | 300 | 606 | 909 | 606 | 909 | | | | | 600 | | 300 | | | |
| Diquat | 85-00-7 | 0.1(R) | | | | 0.5 | | | | 0.5 | | 0.5 | | 0.5 | | | | | | 0.5 | | 0.5 | | | 0.1 |
| Disulfiram | 97-77-8 | 2 | | | | 2 | | 2(I) | | 2 | | 2 | | 2 | | | | | | 2 | | 2 | | | |
| Disulfoton | 298-04-4 | 0.1 | | | | 0.1 | | | | 0.1 | | 0.1 | | 0.1 | | | | | | 0.1 | | 0.1 | | | |
| Dithion | 3689-24-5 | 0.2 | | 0.2 | | 0.2 | | 0.1 | | 0.1 | | 0.2 | | 0.1 | | | | | | 0.2 | | 0.2 | | | |
| Diuron | 330-54-1 | 10 | | | | 10 | | | | 10 | | 10 | | 10 | | | | | | 10 | | | | | |
| Divinylbenzene | 108-57-6 | | | | | | | | | | | 53 | | | | | | | | | | 50 | | | |
| Dodecanethiol, 1- | 112-55-0 | | | | | | 4.1(C)/15-min. | | | | | | | | | | | | | | | | | | |
| Dust (Respirable Dust) | | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| Dust (Total Dust) | | | | | | | | | | | | | | | | | | | | | | 10 | | | |
| Emery | 112-62-9 | | | | | | | | | | | 10 | | 10(I) | | | | | | | | | | | |
| Endosulfan | 115-29-7 | 0.1 | | | | 0.1 | | 0.1(I) | | 0.1 | | 0.1 | | 0.1 | | | | | | 0.1 | | 0.1 | | | |
| Endrin | 72-20-8 | 0.1 | | 0.1 | | 0.1 | | 0.1(I) | | 0.1 | | 0.1 | | 0.1 | | | | | | 0.1 | | 0.1 | | | |
| Enflurane | 13838-16-9 | 566 | | | | | 15.1(C)/60-min. | 150 | | 77 | 154 | 3.8 | | 566 | | | | | | | | 575 | | | |
| Epichlorohydrin | 106-89-8 | 1.9 | | 19 | | | | | | 8 | | 7.6 | | 7.6 | | 1 | 2 | 1 | 2 | | 10 | 4 | 20 | | 1 |
| EPN | 2104-64-5 | 0.1 | | 0.5 | | 0.5 | | 0.5(I) | | 0.5 | | 0.5 | | 0.5 | | | | | | 0.5 | | 0.5 | | | |
| Ethanethiol | 75-08-1 | 1.3 | | | 25(C) | | 1.3(C)/15-min. | 1.3 | | 1.3 | 2.6 | 1.3 | | 1.3 | | | | | | 1 | | 1 | | | 1 |
| Ethanol | 64-17-5 | 1880 | | 1900 | | 1900 | | 960 | | 960 | 1920 | 1880 | | 1880 | | 1000 | 5000 | 1000 | 5000 | 1900 | | 1900 | | 1000 | 3000 |
| Ethanolamine | 141-43-5 | 7.5 | 15 | 6 | | 8 | 15 | 5.1 | | 5 | 10 | 7.5 | 15 | 7.5 | 15 | | | | | 8 | | 8 | | | |
| Ethion | 563-12-2 | 0.4 | | | | 0.4 | | | | 0.4 | | 0.4 | | 0.4 | | | | | | 0.4 | | 0.4 | | | |
| Ethyl acetate | 141-78-6 | 1440 | | 1400 | | 1400 | | 1500 | | 1400 | 2800 | 1400 | | 1440 | | 400 | 2000 | 400 | 2000 | 1400 | | 1400 | | 400 | 1200 |
| Ethyl acrylate | 140-88-5 | 20 | 61 | 100 | | | | 21 | | 20 | 40 | 20 | | 20 | 100 | | | | | 20 | | 20 | | | 10 |
| Ethyl formate | 109-94-4 | 303 | | 300 | | 300 | | 310 | | 310 | 310 | 303 | | 303 | | | | | | 300 | | 300 | | | |
| Ethyl silicate | 78-10-4 | 85 | | 850 | | 85 | | 86 | | 85 | 85 | 85 | | 85 | | | | | | 85 | | 85 | | | |
| Ethyl-2-Hexenal, 2- | 645-62-5 | | | | | | | | | | | | | | | 200 | 400 | 200 | 400 | | | | | | |
| Ethylamine | 75-04-7 | 932 | 27.6 | 18 | | 18 | | 9.4 | | 9 | 18 | 18 | | 18 | | | | | | 18 | 27 | 9 | | | |
| Ethylbenzene | 100-41-4 | 434 | 543 | 435 | | 435 | 545 | 440 | | 435 | 435 | 434 | 543 | 434 | 543 | 200 | 1000 | 200 | 1000 | 435 | | 435 | | 100 | 200 |
| Ethylene dibromide | 106-93-4 | | | | 30(C);50/5-min per 8-hr shift | 0.045 | 0.13(C)/15 min. | | | 0.8 | | | | | | 10 | 20 | 10 | 20 | | | 155 | | | 0.8 |
| Ethylene glycol | 107-21-1 | | 100(C) | | | | | 26 | | 10 | | 60 | 120 | | 127 | | | | | | 125 | 125 | | | 50 |
| Ethylene Glycol Acrylate | 818-61-1 | | | | | | | | | | | | | | | | | | | | | 0.24 | | | |
| Ethylene glycol dinitrate | 628-96-6 | 0.31 | | | 1(C) | | 0.1 | 0.32 | | 0.3 | 0.6 | 0.31 | | 0.31 | | 0.5 | 1 | 0.5 | 1 | 1.5 | | 0.3 | | | |

Table C-1

Occupational Exposure Guidelines

| CHEMICAL NAME | CAS NO | ACGIH | | OSHA | | NIOSH | | DFG MAK | | SWISS | | Australia | | Belgium | | Czech Republic | | Slovakia | | France | | Holland | | Hungary | |
|---|------------|-------|---------|------------|------|------------|-----------------|---------|------|-------|------|-----------|------|---------|------|----------------|------|----------|------|--------|------|---------|------|---------|------|
| | | TWA | STEL | TWA | STEL | TWA | STEL | TWA | PEAK | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL |
| Ethylene Glycol Methacrylate | 868-77-9 | | | 240 | | 24 | | 98 | | 100 | 200 | 121 | | 121 | | | | | | 120 | | 0.24 | | | |
| Ethylene glycol mono-n-butyl ether | 111-76-2 | 97 | | | | 33 | | 130 | | 135 | 270 | | | | | | | | | 100 | | 200 | 100 | 200 | |
| Ethylene glycol monobutyl ether acetate | 112-07-2 | | | | | 33 | | 130 | | 135 | 270 | | | | | | | | | 135 | | 270 | | | |
| Ethylene glycol monoethyl ether | 110-80-5 | 18 | | 740 | | 1.8 | | 19 | | 19 | 38 | 18 | | 18 | | | | | | 19 | | 19 | | 70 | 140 |
| Ethylene glycol monoethyl ether acetate | 111-15-9 | 27 | | 540 | | 2.7 | | 27 | | 27 | 54 | 27 | | 27 | | | | | | 27 | | 27 | | 25 | 50 |
| Ethylene oxide | 75-21-8 | 1.8 | | | | <0.18 | 9(C)/10-min/day | | | 2 | | 1.8 | | 1.8 | | 1 | 5 | 1 | 5 | 10 | 20 | 90 | | | 1 |
| Ethylenediamine | 107-15-3 | 25 | | 25 | | 25 | | 25 | | 25 | 50 | 25 | | 25 | | | | | | 25 | 35 | 25 | | | |
| Ethyleneimine | 151-56-4 | 0.88 | | | | | | | | 0.9 | | 1 | | | | | | | | | | 1 | | | |
| Ethylidene-2-norbornene, 5- | 16219-75-3 | | 25(C) | | | | 25(C) | | | 25 | | 25 | | 25 | 25 | | | | | 25 | | 25 | | | |
| Ethylmorpholine, N- | 100-74-3 | 24 | | 94 | | 23 | | 25 | | 25 | | 24 | | 24 | | | | | | 23 | | 23 | | | |
| Fenamiphos | 22224-92-6 | 0.1 | | | | 0.1 | | 0.1 | | 0.1 | | 0.1 | | 0.1 | | | | | | 0.1 | | 0.1 | | | |
| Fenchlorophos | 299-84-3 | 10 | | 15 | | 10 | | 10 | | 10 | | 10 | | 10 | | | | | | 10 | | 10 | | | |
| Fensulfothion | 115-90-2 | 0.1 | | | | 0.1 | | 0.1 | | 0.1 | | 0.1 | | 0.1 | | | | | | 0.1 | | 0.1 | | | |
| Fenthion | 55-38-9 | 0.2 | | | | | | 0.2(I) | | 0.1 | | 0.2 | | 0.2 | | | | | | | | 0.1 | | | 0.1 |
| Ferbam | 14484-64-1 | 10 | | 15 | | 10 | | 10 | | 10 | | 10 | | 10 | | | | | | 10 | | 10 | | | |
| Ferric Salts (Soluble),(As Fe) | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | |
| Ferrocene | 102-54-5 | 10 | | 15(I)/5(R) | | 10(I)/5(R) | | | | 10 | | 10 | | 10 | | | | | | 10 | | 10 | | | |
| Ferrous sulfate | 7720-78-7 | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| Ferrovandium | 12604-58-9 | 1 | 3 | 1 | | 1 | 3 | 1(I) | | 1 | | 1 | 3 | 1 | 3 | | | | | | | 1 | | | |
| Fibrous Glass Dust | | | | | | | | | | | | | | | | | | | | | | 10 | | | |
| Fluorine | 7782-41-4 | 1.6 | 3.1 | 0.2 | | 0.2 | | 0.16 | | 0.15 | 0.3 | 1.6 | 3.1 | 1.6 | 3.1 | 0.2 | 1 | 0.2 | 1 | | 2 | 2 | | 0.2 | 0.4 |
| Fluorine monoxide | 7783-41-7 | | 0.11(C) | 0.1 | | | 0.1(C) | | | 0.1 | | 0.11 | | 0.11 | | | | | | | | 0.1 | | | |
| Fluoroethene | 75-02-5 | 1.9 | | | | 1 | | | | | | | | | | | | | | | | | | | |
| Fluorotrichloromethane | 75-69-4 | | 5620(C) | 5600 | | | 5600(C) | 5700 | | 5600 | | 5620 | | 5620 | | | | | | 5600 | | | | | 40 |
| Fonofos | 944-22-9 | 0.1 | | | | 0.1 | | | | 0.1 | | 0.1 | | 0.1 | | | | | | 0.1 | | 0.1 | | | |
| Formaldehyde | 50-00-0 | | 0.37(C) | N | | | | 0.62 | | 0.37 | 0.74 | 0.1 | | 0.1 | | 0.5 | 1 | 0.5 | 1 | | 3 | 1.5 | 3 | | 0.6 |
| Formamide | 75-12-7 | 18 | | | | 15 | | 18 | | 18 | | 18 | | 18 | | | | | | 30 | | 30 | | | |
| Formic acid | 64-18-6 | 9.4 | 19 | 9 | | 9 | | 9.5 | | 9.5 | 19 | 9.4 | 19 | 9.4 | | | | | | 9 | 9 | 9 | | 5 | 8 |
| Furfural | 98-01-1 | 7.9 | | 20 | | | | 8 | | 8 | | 8 | | 7.9 | | 10 | 20 | 10 | 20 | | 8 | 8 | | | |
| Furfuryl alcohol | 98-00-0 | 40 | 60 | 200 | | 40 | 60 | 41 | | 40 | | 40 | 60 | 40 | 60 | | | | | 40 | | 20 | 200 | | 8 |
| Gasoline | 8006-61-9 | 890 | 1480 | | | | | 2000 | | 900 | | 890 | 1480 | 890 | 1480 | | | | | | | | | | |
| Germanium tetrahydride | 7782-65-2 | 0.63 | | | | 0.6 | | 0.6 | | 0.6 | | 0.63 | | 0.63 | | | | | | 0.6 | | 0.6 | | | |
| Glutaraldehyde | 111-30-8 | | 0.2(C) | | | 0.8(C) | | 0.42 | | 0.4 | 0.4 | 0.82 | | 0.82 | | | | | | 0.8 | | 0.25 | | | |
| Glycerin | 56-81-5 | | | 15(I)/5(R) | | | | | | | | 10 | | 10 | | | | | | 10 | | 10 | | | |
| Glycidol | 556-52-5 | 6.1 | | 150 | | 75 | | 150 | | | | 76 | | 76 | | | | | | 75 | | 150 | | | |
| Glycidylmethacrylate | 106-91-2 | | | | | | | | | | | | | | | | | | | | | 0.24 | | | |
| Glycolonitrile | 107-16-4 | | | | | | 5(C)/15-min. | | | | | | | | | | | | | | | | | | |
| Gypsum | 13397-24-5 | 10 | | 15(I)/5(R) | | 10(I)/5(R) | | 6(R) | | | | | | | | | | | | 10 | | | | | |
| Hafnium | 7440-58-6 | 0.5 | | 0.5 | | 0.5 | | | | 0.5 | | 0.5 | | 0.5 | | | | | | 0.5 | | 0.5 | | | |
| Heptachlor | 76-44-8 | 0.5 | | 0.5 | | 0.5 | | 0.5(I) | | 0.5 | | 0.5 | | 0.5 | | | | | | | | 0.5 | | | |
| Heptane, n- | 142-82-5 | 1640 | 2050 | 2000 | | 350 | 1800(C)/15-min. | 2100 | | 1600 | 1600 | 1640 | 2050 | 1640 | 2050 | | | | | 1600 | | 1600 | | | |
| Heptanethiol, 1- | 1639-09-4 | | | | | | 2.7(C)/15-min. | | | | | | | | | | | | | | | | | | |
| Heptanone, 2- | 110-43-0 | 233 | | 465 | | 465 | | | | 235 | | 233 | | 233 | | | | | | 235 | | 233 | | | |
| Heptanone, 3- | 106-35-4 | 234 | 350 | 230 | | 230 | | | | 230 | | 234 | | 234 | | | | | | 230 | | 163 | | | |
| Heptanone, 4- | 123-19-3 | 233 | | | | 235 | | | | 235 | | 233 | | 233 | | | | | | 235 | | 235 | | | |
| Hexachloro-1,3-butadiene | 87-68-3 | 0.21 | | | | 0.24 | | | | 0.24 | | 0.21 | | 0.21 | | | | | | | | 0.24 | | | |
| Hexachlorobenzene | 118-74-1 | | | | | | | | | | | | | | | 0.25 | 0.5 | 0.25 | 0.5 | | | 0.03 | | | |
| Hexachlorocyclopentadiene | 77-47-4 | 0.11 | | | | 0.1 | | | | 0.1 | | 0.11 | | 0.11 | | | | | | 0.1 | | 0.11 | | | |
| Hexachloroethane | 67-72-1 | 9.7 | | 10 | | 10 | | 9.8 | | 10 | | 9.7 | | 9.7 | | | | | | 100 | | 10 | | | |

Table C-1

Occupational Exposure Guidelines

| CHEMICAL NAME | CAS NO | ACGIH | | OSHA | | NIOSH | | DFG MAK | | SWISS | | Australia | | Belgium | | Czech Republic | | Slovakia | | France | | Holland | | Hungary | |
|--------------------------------------|------------|-------|--------|------|------|-------|---------|------------------|--------|-------|------|-----------|------|---------|------|----------------|------|----------|------|--------|------|---------|------|---------|------|
| | | TWA | STEL | TWA | STEL | TWA | STEL | TWA | PEAK | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL |
| Hexachloronaphthalene | 1335-87-1 | 0.2 | | 0.2 | | 0.2 | | | | 0.2 | | 0.2 | | 0.2 | | | | | | 0.2 | | 0.2 | | | |
| Hexachlorophenyl Ether | 55720-99-5 | | | | | | | | | | | | | | | | | | | 0.5 | | 0.5 | | | |
| Hexadecanethiol, 1- | 2917-26-2 | | | | | | | 5.3(C)/15-min. | | | | | | | | | | | | | | | | | |
| Hexafluoro-2-propanone, 1,1,1,3,3,3- | 684-16-2 | 0.68 | | | | 0.7 | | | | 0.7 | | 0.68 | | 0.68 | | | | | | 0.7 | | 0.7 | | | |
| Hexamethylene Diamine | 124-09-4 | | | | | | | | | | | | | | | | | | | | | | 1 | 2 | |
| Hexamethylene diisocyanate | 822-06-0 | 0,034 | | | | | | 0.14(C)/ 10 min. | 0,035 | 0,07 | 0.14 | | | 0.034 | | | | | | 0.075 | 0.15 | 0.04 | | 0.05 | 0.1 |
| Hexane (All Isomers,Except N-Hexane) | | | | | | | | | | | | 1760 | 3500 | 1760 | 3500 | | | | | 1800 | | | | | |
| Hexane, n- | 110-54-3 | 176 | | 1800 | | 180 | | | 180 | 180 | 360 | 176 | | 176 | | | | | | 170 | | 90 | | 100 | 200 |
| Hexanethiol, 1- | 111-31-9 | | | | | | | 2.7(C)/15-min. | | | | | | | | | | | | | | | | | |
| Hydrazine | 302-01-2 | 0,013 | | 1.3 | | | | 0.04(C)-120-min. | | 0.13 | | 0.13 | | | | 0.05 | 0.1 | 0.05 | 0.1 | 0.1 | | | 0.13 | | |
| Hydrobromic acid | 10035-10-6 | | 9.9(C) | 10 | | | | 10(C) | 6.7 | 6.7 | 6.7 | 9.9 | | 9.9 | | | | | | | | | 10 | | |
| Hydrogen chloride | 7647-01-0 | | 7.5(C) | | 7(C) | | | 7(C) | 7.6 | 7.5 | 7.5 | 7.5 | | 7.5 | | | | | | 7.5 | | 7 | | | 5 |
| Hydrogen cyanide | 74-90-8 | | 5(C) | 11 | | | | 5 | 11 | 11 | 22 | 11 | | | | 3 | 10 | 3 | 10 | 2 | 10 | 11 | | 0.3 | 0.6 |
| Hydrogen fluoride | 7664-39-3 | | 2.3(C) | 2.5 | | 2.5 | | 5(C) | 1.7 | 1.5 | 1.5 | 2.6 | | | 2.6 | 1 | 2 | 1 | 2 | | 2.5 | 2 | | 0.5 | 1 |
| Hydrogen peroxide | 7722-84-1 | 1.4 | | 1.4 | | 1.4 | | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | | 1.4 | | | | | | 1.5 | | | | | 1.4 |
| Hydrogen selenide | 7783-07-5 | 0,16 | | 0,2 | | 0,2 | | 0,05 | 0,05 | 0,05 | 0,1 | 0,16 | | 0,16 | | 0,1 | 0,2 | 0,1 | 0,2 | 0,08 | | | | | 0,1 |
| Hydrogen sulfide | 7783-06-4 | 14 | 21 | | 50 | | | 15 | 14 | 15 | 30 | 14 | 21 | 14 | 21 | 10 | 20 | 10 | 20 | 7 | 14 | 15 | | 10 | 20 |
| Hydrogenated diphenylbenzenes | 61788-32-7 | 4.9 | | | | 5 | | | | 5 | 4.5 | | | 4.9 | | | | | | 5 | | 5 | | | |
| Hydroquinone | 123-31-9 | 2 | | 2 | | | | 2(C)/15-min. | | 2 | 2 | 2 | | 2 | | | | | | 2 | | 2 | | | |
| Hydroxy-4-methyl-2-pentanone, 4- | 123-42-2 | 238 | | 240 | | 240 | | | 240 | 240 | 238 | 238 | | 238 | | | | | | 240 | | 240 | | | |
| Hydroxypropyl acrylate, 2- | 999-61-1 | | | | | 3 | | | | 2.7 | 2.8 | | | 2.8 | | | | | | 3 | | 3 | | | |
| Hydroxypropylmethacrylate, 2- | 923-26-2 | | | | | | | | | | | | | | | | | | | | | | 0.24 | | |
| Indene | 95-13-6 | 48 | | | | 45 | | | | 45 | 48 | 48 | | 48 | | | | | | 45 | | 45 | | | |
| Indium | 7440-74-6 | 0,1 | | | | 0,1 | | | | 0,1 | 0,1 | 0,1 | | 0,1 | | | | | | | | 0,1 | | | |
| Iodine | 7553-56-2 | | 1(C) | | 1(C) | | | 1(C) | 1,1 | 1 | 1 | 1 | | 1 | | | | | | 1 | | 1 | | 1 | 2 |
| Iodoform | 75-47-8 | 10 | | | | 10 | | | | 10 | 10 | 10 | | 10 | | | | | | 10 | | 3 | | | |
| Iodomethane | 74-88-4 | | | | | | | | | | 10 | 12 | | 12 | | 1 | 2 | 1 | 2 | | | 10 | | 10 | |
| Iron oxide | 1309-37-1 | 5 | | 10 | | 5 | | | 1.5(R) | 6 | 5 | 5 | | 5 | | | | | | 5 | | 5 | | | |
| Iron pentacarbonyl | 13463-40-6 | 0,8 | 1,6 | | | 0,8 | 1,6 | 0,81 | | 0,8 | 1,6 | 0,23 | 0,45 | 0,23 | 0,45 | | | | | 0,8 | | 0,08 | | | |
| Iron salts | 7439-89-6 | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | |
| Isoamyl acetate | 123-92-2 | 266 | 532 | 525 | | 525 | | | 270 | | | 525 | | 532 | | | | | | 525 | | | | 530 | |
| Isoamyl alcohol | 123-51-3 | 361 | 452 | 360 | | 360 | 450 | 370 | | 360 | 720 | 361 | 452 | 361 | 452 | | | | | 360 | | 360 | | | |
| Isobutyl acetate | 110-19-0 | 713 | | 700 | | 700 | | 480 | | 480 | 960 | 713 | 875 | 713 | 888 | | | | | 710 | 940 | 700 | | | |
| Isobutyl alcohol | 78-83-1 | 152 | | 300 | | 150 | | 310 | | 150 | 150 | 152 | | 152 | | | | | | 150 | | 150 | | | |
| Isobutyronitrile | 78-82-0 | | | | | 22 | | | | | | | | | | | | | | | | | | | |
| Isocyanate (All Isomers) (As NCO) | | | | | | | | | | | | 0.02 | 0.07 | | | | | | | | | | | | |
| Isohexane | 107-83-5 | 1760 | 3500 | | | 350 | 1800(C) | 720 | | 700 | 1400 | | | | | | | | | | | | | 1800 | |
| Isooctyl Alcohol | 26952-21-6 | | | | | | | | | | | 266 | | 266 | | | | | | 270 | | 270 | | | |
| Isophorone | 78-59-1 | | 28(C) | 140 | | 23 | | 11 | | 11 | 22 | 28 | | | 28 | | | | | | | 25 | | | |
| Isophorone diisocyanate | 4098-71-9 | 0,045 | | | | 0,045 | 0,18 | 0,092 | | | | | | 0,045 | | | | | | 0,09 | 0,18 | 0,05 | | 0,19 | |
| Isopropanol | 67-63-0 | 1040 | 1290 | 980 | | 980 | 1225 | 500(C) | | 500 | 1000 | 980 | 1225 | 985 | 1230 | | | | | 980 | | 980 | | | |
| Isopropoxyethanol | 109-59-1 | 106 | | | | 22 | | | | 22 | 44 | 105 | | 106 | | | | | | 105 | | 44 | | | |
| Isopropyl acetate | 108-21-4 | 1040 | 1290 | 950 | | 420 | | | | 420 | 840 | 1040 | 1240 | 1040 | 1290 | | | | | 950 | 1140 | 950 | | 400 | 800 |
| Isopropyl ether | 108-20-3 | 1040 | 1300 | 2100 | | 2100 | | 850 | | 850 | 1700 | 1040 | 1300 | 1040 | 1300 | | | | | 1050 | | 1050 | | | |
| Isopropyl glycidyl ether | 4016-14-2 | 238 | 356 | 240 | | | 240(C) | | | 240 | 360 | 240 | 360 | 238 | 356 | | | | | 240 | | 240 | | | |
| Isopropylamine | 75-31-0 | 12 | 24 | 12 | | | | 12 | | 12 | 24 | 12 | 24 | 12 | 24 | | | | | 12 | | 12 | | | |
| Isopropylaniline, N- | 768-52-5 | 11 | | | | 10 | | | | 11 | 11 | 11 | | 11 | | | | | | 10 | | 10 | | | |
| Kaolin | 1332-58-7 | 2(R) | | 5(R) | | 5(R) | | | | 6 | | 10 | | 10(I) | | | | | | 10 | | 10 | | | |
| Kerosene | 8008-20-6 | 200 | | | | 100 | | | | | | | | | | | | | | | | | | | |

Table C-1

Occupational Exposure Guidelines

| CHEMICAL NAME | CAS NO | ACGIH | | OSHA | | NIOSH | | DFG MAK | | SWISS | | Australia | | Belgium | | Czech Republic | | Slovakia | | France | | Holland | | Hungary | |
|--|------------|-------|--------|------------|---------|------------|---------|---------|--------|-------|------|-----------|------|---------|------|----------------|------|----------|------|--------|------|---------|------|---------|------|
| | | TWA | STEL | TWA | STEL | TWA | STEL | TWA | PEAK | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL |
| Ketene | 463-51-4 | 0.86 | 2.6 | 0.9 | | 0.9 | 3 | | | 0.9 | 0.9 | 0.86 | 2.6 | 0.89 | 2.6 | | | | | 0.9 | | 0.9 | | | |
| Lead | 7439-92-1 | 0.05 | | 0.05 | | 0.1 | | | 0.1(I) | | 0.1 | | 0.15 | | | 0.05 | 0.2 | 0.05 | 0.2 | 150 | | 0.15 | | 5 | 10 |
| Lead Arsenate | 3687-31-8 | | | | | | | | | | | | | 0.15 | | | | | | | | | | | |
| Lead Chromate | 7758-97-6 | | | | | | | | | | | | 0.05 | | | 0.05 | | | | | | | | | |
| Limestone | 1317-65-3 | 10 | | 15(I)/5(R) | | 10(I)/5(R) | | | | 6 | | | | | | | | | | | | | | | |
| Lindane | 58-89-9 | 0.5 | | 0.5 | | 0.5 | | | 0.1(I) | 0.5 | | 0.5 | | 0.5 | | | | | | 0.5 | | 0.5 | | 0.05 | 0.1 |
| Liquefied petroleum gas | 68476-85-7 | 1800 | | 1800 | | 1800 | | | | 1800 | | 1800 | | 1800 | | | | | | | | 1800 | | | |
| Lithium hydride | 7580-67-8 | 0,025 | | 0,025 | | 0,025 | | | | 0,025 | | 0,025 | | | | | | | | 0,025 | | 0,025 | | | |
| Magnesium carbonate | 546-93-0 | 10 | | 5(R) | | 5(R) | | | | 6(R) | | | | 10(I) | | | | | | 10 | | 10 | | | |
| Magnesium oxide | 1309-48-4 | 10(I) | | | | | | | 1.5(R) | 6(R) | | 10 | | 10 | | | | | | 10 | | 10 | | | |
| Malathion | 121-75-5 | 10 | | 15 | | 10 | | | 15(I) | 10 | | 10 | | 10 | | | | | | 10 | | 10 | | | |
| Maleic anhydride | 108-31-6 | 0.4 | | 1 | | 1 | | | 0,41 | 0.4 | 0.4 | 1 | | 1 | | 1 | 3 | 1 | 3 | | | | 1 | 2 | |
| Malononitrile | 109-77-3 | | | | | 8 | | | | | | | | | | | | | | | | | | | |
| Manganese | 7439-96-5 | 0.2 | | | 5(C) | 1 | 3 | | 0.5(I) | 0.5 | | 5 | | 5 | | 2 | 6 | 2 | 6 | 0.1 | | 1 | | 0.3 | 0.6 |
| Manganese cyclopentadienyl tricarbonyl | 12079-65-1 | 0.1 | | | | 0.1 | | | 0.5(I) | 0.1 | | | | | | | | | | | | 0.1 | | | |
| Manganese tetroxide | 1317-35-7 | | | | 5(C) | | | | | 1 | | | | | | | | | | 1 | | 1 | | | |
| Mercaptoacetic acid | 68-11-1 | 3.8 | | | | 4 | | | | 4 | | 3.8 | | 3.8 | | | | | | 5 | | 5 | | 0.5 | 1 |
| Mercury | 7439-97-6 | | | | | | | | | | | 0.1 | | 0.1 | | 0.05 | 0.15 | 0.05 | 0.15 | 0.1 | | 0.05 | | | 0.01 |
| Mesityl oxide | 141-79-7 | 60 | 100 | 100 | | 40 | | 100 | | 60 | | 60 | 100 | 60 | 100 | | | | | 60 | | 60 | | | |
| Methanol | 67-56-1 | 262 | 328 | 260 | | 260 | 325 | 270 | | 260 | 1300 | 262 | 328 | 262 | 328 | 100 | 500 | 100 | 500 | 260 | 1300 | 260 | | 50 | 100 |
| Methomyl | 16752-77-5 | 2.5 | | | | 2.5 | | | | 2.5 | | 2.5 | | 2.5 | | | | | | 2.5 | | 2.5 | | | |
| Methoxy-2-hydroxypropane, 1- | 107-98-2 | 369 | 553 | | | 360 | 540 | 370 | | 360 | 720 | 360 | 540 | 369 | 553 | | | | | 360 | | 360 | | | |
| Methoxychlor | 72-43-5 | 10 | | 15 | | | | | 15(I) | 10 | | 10 | | 10 | | | | | | 10 | | 10 | | | |
| Methoxyethanol, 2- | 109-86-4 | 16 | | 80 | | 0.3 | | 16 | | 15 | 30 | 24 | | 16 | | | | | | 16 | | 16 | | 15 | 30 |
| Methoxyflurane | 76-38-0 | | | | | | 13.5(C) | | | | | | | | | | | | | | | | | | |
| Methoxyphenol, 4- | 150-76-5 | 5 | | | | 5 | | | | | | 5 | | 5 | | | | | | 5 | | 5 | | | |
| Methyl 2-cyanoacrylate | 137-05-3 | 1 | | | | 8 | 16 | 9.2 | | 9 | | 9.1 | 18 | 9.1 | 18 | | | | | 8 | 16 | 8 | | | |
| Methyl 2-pentyl acetate, 4- | 108-84-9 | 295 | | 300 | | 300 | | 300 | | 300 | 300 | 295 | | 295 | | | | | | 300 | | 300 | | | |
| Methyl acetate | 79-20-9 | 606 | 757 | 610 | | 610 | 760 | 610 | | 610 | 1220 | 606 | 757 | 606 | 760 | 200 | 600 | 200 | 600 | 610 | 760 | 610 | | 200 | 500 |
| Methyl acetylene-propadiene mixture | 59355-75-8 | 1640 | 2050 | 1800 | | 1800 | 2250 | | | | | 1640 | 2050 | 1640 | 2050 | | | | | | | 1800 | | | |
| Methyl acrylate | 96-33-3 | 7 | | 35 | | 35 | | 18 | | 18 | 18 | 35 | | 35 | | | | | | 35 | 50 | 18 | | 20 | 40 |
| Methyl bromide | 74-83-9 | 3.9 | | | 80(C) | | | | | 20 | 40 | 20 | | 20 | | 1 | 2 | 1 | 2 | 20 | | 20 | | 10 | 20 |
| Methyl Cellosolve Acetate | 110-49-6 | 24 | | 120 | | 0.5 | | 25 | | 25 | 50 | 24 | | 24 | | | | | | 24 | | 24 | | 25 | 50 |
| Methyl demeton | 8022-00-2 | 0.5 | | | | 0.5 | | 4.8 | | 0.5 | | 0.5 | | 0.5 | | | | | | 0.5 | | 0.5 | | | |
| Methyl ethyl ketone | 78-93-3 | 590 | 885 | 590 | | 590 | 885 | 600 | | 590 | 590 | 445 | 890 | 590 | 885 | | | | | 600 | | 590 | | 200 | 600 |
| Methyl ethyl ketone peroxide | 1338-23-4 | | | 1.5(C) | | | | | | 1.5 | | 1.5 | | | | | | | | 1.5 | | 1.5 | | | |
| Methyl formate | 107-31-3 | 246 | 368 | 250 | | 250 | 375 | 120 | | 125 | 250 | 246 | 368 | 246 | 369 | | | | | 250 | | 250 | | 500 | |
| Methyl hydrazine | 60-34-4 | 0,019 | | | 0.35(C) | | 0.08(C) | | | 0.35 | | 0.38 | | | 0.38 | | | | | 0.35 | | 0.35 | | | |
| Methyl isoamyl ketone | 110-12-3 | 234 | | 475 | | 240 | | 47 | | | | 234 | | 234 | | | | | | 240 | | 233 | | | |
| Methyl isobutyl ketone | 108-10-1 | 205 | 307 | 410 | | 205 | 300 | 83 | | 82 | 164 | 205 | 307 | 205 | 308 | | | | | 205 | | 240 | | | |
| Methyl isocyanate | 624-83-9 | 0,047 | | 0,05 | | 0,05 | | 0,024 | | 0,025 | 0,05 | | | 0,047 | | | | | | 0,05 | | 0,05 | | 0,05 | 0,06 |
| Methyl isopropyl ketone | 563-80-4 | 705 | | | | 705 | | | | 720 | | 705 | | 705 | | | | | | 705 | | 705 | | | |
| Methyl mercaptan | 74-93-1 | 0.98 | | | 20(C) | | 1(C) | 1 | | 1 | 2 | 0.98 | | 0.98 | | | | | | 1 | | 1 | | | 1 |
| Methyl methacrylate | 80-62-6 | 205 | 410 | 410 | | 410 | | 210 | | 210 | 420 | 410 | | 410 | | | | | | 410 | 820 | 410 | | 50 | 150 |
| Methyl n-butyl ketone | 591-78-6 | 20 | 40 | 410 | | 4 | | 21 | | 21 | 42 | 20 | | 20 | | | | | | 20 | 35 | 2 | | 20 | 40 |
| Methyl parathion | 298-00-0 | 40 | 60 | 200 | | 40 | 60 | 41 | | 0.2 | | 0.2 | | 0.2 | | | | | | 0.2 | | 0.2 | | 0.1 | 0.2 |
| Methyl propyl ketone | 107-87-9 | 705 | 881 | 700 | | 530 | | 710 | | 700 | 1400 | 705 | 881 | 705 | 881 | | | | | 700 | | 700 | | | |
| Methyl silicate | 681-84-5 | 6 | | | | 6 | | | | 6 | | 6 | | 6 | | | | | | 6 | | 6 | | | |
| Methyl styrene, alpha- | 98-83-9 | 242 | 483 | | 480(C) | 240 | 485 | 480 | | 490 | 490 | 240 | 485 | 242 | 484 | | | | | 240 | | 240 | | | |
| Methyl-2,4-pentanediol, 2- | 107-41-5 | | 121(C) | | | | 125(C) | 49 | | 49 | 98 | 121 | | 121 | | | | | | | 125 | 125 | | | |
| Methyl-2-pentanol, 4- | 108-11-2 | 104 | 167 | 100 | | 100 | | 165 | | 100 | 500 | 104 | 167 | 104 | 166 | | | | | 100 | | 100 | | | |

Table C-1

Occupational Exposure Guidelines

| CHEMICAL NAME | CAS NO | ACGIH | | OSHA | | NIOSH | | DFG MAK | | SWISS | | Australia | | Belgium | | Czech Republic | | Slovakia | | France | | Holland | | Hungary | | | |
|--|------------|-------|------|----------|--------|-------|---------|-----------------|-------|--------|-------|-----------|------|---------|------|----------------|------|----------|------|--------|------|---------|------|---------|-------|-----|----|
| | | TWA | STEL | TWA | STEL | TWA | STEL | TWA | PEAK | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | | |
| Methyl-2-Pyrrolidinone, 1- | 872-50-4 | | | | | | | | | | | | | | | | | | | | | | | 400 | | | |
| Methyl-3,5-dinitrobenzamide, 2- | 148-01-6 | 5 | | | | 5 | | | | 5 | | 5 | | 5 | | | | | | 5 | | | | 5 | | | |
| Methyl-4-tert-butylbenzene, 1- | 98-51-1 | 6,1 | | 60 | | 60 | 120 | | | 60 | 60 | 61 | 122 | | | | | | | 60 | | | | 60 | | | |
| Methyl-N,2,4,6-tetraaminoaniline, N- | 479-45-8 | 1,5 | | 1,5 | | 1,5 | | | | 1,5 | | 1,5 | | 1,5 | | | | | | 1,5 | | | | 1,5 | | | |
| Methylacrylic acid | 79-41-4 | 70 | | | | 70 | | | | 70 | | 70 | | 70 | | | | | | 70 | | | | 70 | | | |
| Methylal | 109-87-5 | 3110 | | 3100 | | 3100 | | 3200 | | 3100 | | 3110 | | 3110 | | | | | | 3100 | | | | 3100 | | | |
| Methylamine | 74-89-5 | 6,4 | 19 | 12 | | 12 | | 13 | | 12 | 24 | 13 | | 13 | | | | | | 12 | | | | 12 | | | |
| Methylaniline, N- | 100-61-8 | 2,2 | | 9 | | 2 | | 2,2 | | 2,2 | 4,4 | 2,2 | | 2,2 | | | | | | 2 | | | | 2 | | | |
| Methylcyclohexane | 108-87-2 | 1610 | | 200 | | 1600 | | 810 | | 1600 | 3200 | 1610 | | 1610 | | | | | | 1600 | | | | 1600 | | | |
| Methylcyclohexanol | 25639-42-3 | 234 | | 470 | | 235 | | | | 235 | 470 | 234 | | 234 | | | | | | 235 | | | | 235 | | | |
| Methylcyclohexanone | 1331-22-2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Methylcyclohexanone, 2- | 583-60-8 | 229 | 344 | 460 | | 230 | 345 | 230 | | 230 | 460 | 229 | 344 | 229 | 344 | 50 | 100 | 50 | 100 | 230 | | | | 230 | | | |
| Methylcyclopentadienyl manganese tricarbonyl, 2- | 12108-13-3 | 0,2 | | | | 0,2 | | | | 0,2 | | 0,2 | | 0,2 | | | | | | 0,2 | | | | 0,2 | | | |
| Methylene bis(4-cyclohexylisocyanate) | 5124-30-1 | 0,054 | | | | | | 0.11(C) | | | | | | 0,054 | | | | | | | | | | 0,11 | | | |
| Methylene bis(4-phenylisocyanate) | 101-68-8 | 0,051 | | | 0.2(C) | 0,05 | | 0.2(C)/10-min. | 0,05 | 0,1 | 0,2 | | | 0,051 | | | | | | 0,1 | 0,2 | 0,05 | 0,21 | 0,05 | 0,1 | | |
| Methylene Bromide | 74-95-3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Methylene dichloride | 75-09-2 | 174 | | 25 | 125 | | | 350 | | 360 | 1800 | 174 | | 174 | | 10 | 20 | 500 | 2500 | 360 | 1800 | | | | 10 | | |
| Methylenebis(2-chloroaniline), 4,4'- | 101-14-4 | 0,11 | | | | 0,003 | | | | 0,02 | | 0,22 | | 0,22 | | | | | | 0,22 | | | | | | | |
| Methylpentane, 3- | 96-14-0 | 1760 | 3500 | | | 350 | 1800(C) | 720 | | 700 | 1400 | | | | | | | | | | | | 1800 | | | | |
| Methylstyrene | 25013-15-4 | 242 | 483 | 480 | | 480 | | 490 | | 240 | 480 | | | | | | | | | | | | | | | | |
| Metribuzin | 21087-64-9 | 5 | | | | 5 | | | | | | 5 | | 5 | | | | | | 5 | | | | 5 | | | |
| Mevinphos | 7786-34-7 | 0,092 | 0,27 | 0,1 | | 0,1 | 0,3 | 0,093 | | 0,1 | 0,092 | 0,27 | | 0,09 | 0,27 | | | | | 0,1 | | | | 0,1 | | | |
| Mica | 12001-26-2 | 3(R) | | 20 mppcf | | 3(R) | | | | 3(R) | | 2,5 | | 3(R) | 0 | | | | | | | | | 0,1 | | | |
| Mineral oil mist | 8012-95-1 | 5 | 10 | 5 | | 5 | 10 | | | 5 | | 5 | 10 | | | 5 | 10 | 5 | 10 | | | | | | 5 | | |
| Molybdenum | 7439-98-7 | 10 | | | | | | 4(I) | | 5(I) | | 5 | | 5 | | | | | | 5 | 10 | | | 0,25 | | | |
| Monocrotophos | 6923-22-4 | 0,25 | | | | 0,25 | | | | 0,25 | | 0,25 | | 0,25 | | | | | | 0,25 | | | | | | | |
| Morpholine | 110-91-8 | 71 | | 70 | | 70 | 105 | 36 | | 36 | 72 | 71 | 107 | 71 | 107 | | | | | 70 | 105 | | | 70 | 10 | | |
| Naled | 300-76-5 | 3 | | 3 | | 3 | | 3(I) | | 3 | | 3 | | 3 | | | | | | 3 | | | | 3 | | | |
| Naphtha | 8030-30-6 | 1590 | | 400 | | 400 | | | | 2000 | | 480 | | | | 200 | 1000 | 200 | 1000 | | | | | | 300 | 800 | |
| Naphtha, VM & P | 8032-32-4 | 1370 | | | | 350 | | 1800(C)/15 min. | | | | | | 1370 | | | | | | | | | | | | | |
| Naphthalene | 91-20-3 | 52 | 79 | 50 | | 50 | | 75 | | 50 | | 52 | 79 | 52 | 79 | | | | | 50 | | | | 50 | 40 | 80 | |
| Naphthalene diisocyanate | 3173-72-6 | | | | | 0,04 | | 0.17(C)/10 min. | 0,087 | 0,09 | | | | | | | | | | 0,095 | 0,19 | 0,04 | 0,18 | 0,05 | 0,1 | | |
| Naphthyl thiourea, alpha- | 86-88-4 | 0,3 | | 0,3 | | 0,3 | | 0.3(I) | | 0,3 | 1,5 | 0,3 | | | | | | | | 0,3 | | | | 0,3 | | | |
| Naphthylamine, 2- | 91-59-8 | | | | | | | | | | | | | | | | | | | 0,005 | | | | | | | |
| Nickel | 7440-02-0 | 1,51 | | 1 | | 0,15 | | | | 0.5(R) | | 0,1 | | 0,1 | | 0,05 | 0,25 | 0,05 | 0,25 | 1 | | | | 1 | 0,005 | | |
| Nickel carbonyl | 13463-39-3 | 0,12 | | 0,007 | | 0,007 | | | | 0,35 | | 0,12 | | | | 0,01 | 0,02 | 0,01 | 0,02 | | | | | 0,35 | 0,007 | | |
| Nickel Sulfide (Dust And/Or Fume) | 16812-54-7 | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | |
| Nicotine | 54-11-5 | 0,5 | | 0,5 | | 0,5 | | 0,47 | | 0,5 | 1 | 0,5 | | 0,5 | | | | | | 0,5 | | | | 0,5 | 0,5 | | |
| Nitric acid | 7697-37-2 | 5,2 | 10 | 5 | | 5 | 10 | 5,2 | | 5 | 5 | 5 | 10 | 5,2 | 10 | 2,5 | 5 | 2,5 | 5 | 5 | 10 | | | 5 | 5 | | |
| Nitric oxide | 10102-43-9 | 31 | | 30 | | 30 | | | | 30 | | 31 | | 31 | | 10 | 20 | 10 | 20 | 30 | | | | 30 | | | |
| Nitroaniline, 4- | 100-01-6 | 3 | | 6 | | 3 | | | | 3 | | 3 | | 3 | | | | | | 3 | | | | 6 | 3 | 6 | |
| Nitrobenzene | 98-95-3 | 5 | | 5 | | 5 | | | | 5 | 10 | 5 | | 5 | | 5 | 25 | 5 | 25 | 5 | | | | 5 | 3 | 6 | |
| Nitroethane | 79-24-3 | 307 | | 310 | | 310 | | 310 | | 310 | 155 | 307 | | 307 | | | | | | 310 | | | | 310 | | | |
| Nitrogen dioxide | 10102-44-0 | 5,6 | 9,4 | | 9(C) | | 1,8 | 9,5 | | 6 | 6 | 5,6 | 9,4 | 5,6 | 9,4 | 10 | 20 | 10 | 20 | | | | | 6 | 4 | 5 | 10 |
| Nitrogen trifluoride | 7783-54-2 | 29 | | 29 | | 29 | | | | 30 | | 29 | | 29 | | | | | | 30 | | | | 29 | | | |
| Nitroglycerine | 55-63-0 | 0,46 | | | 2(C) | | 0,1 | 0,47 | | 0,5 | 1 | 0,46 | | 0,46 | | 0,5 | 1 | 0,5 | 1 | 1,5 | | | | 0,5 | 0,5 | | |
| Nitromethane | 75-52-5 | 50 | | 250 | | | | 250 | | 250 | | 250 | | 250 | | | | | | 250 | | | | 250 | | | |
| Nitronaphthalene, 2- | 581-89-5 | | | | | | | | | 0,25 | | | | | | | | | | | | | | | | | |
| Nitropropane, 1- | 108-03-2 | 91 | | 90 | | 90 | | 92 | | 90 | 360 | 90 | | 91 | | | | | | 90 | | | | 90 | 30 | 60 | |
| Nitropropane, 2- | 79-46-9 | 36 | | 90 | | | | | | 18 | | 36 | | 36 | | | | | | | | | | 3,6 | 2,7 | 10 | |

Table C-1

Occupational Exposure Guidelines

| CHEMICAL NAME | CAS NO | ACGIH | | OSHA | | NIOSH | | DFG MAK | | SWISS | | Australia | | Belgium | | Czech Republic | | Slovakia | | France | | Holland | | Hungary | |
|--|------------|--------|---------|------------|------|------------|------|-----------------|----------|---------|-------|-----------|--------|---------|--------|----------------|------|----------|------|--------|------|---------|-------|---------|------|
| | | TWA | STEL | TWA | STEL | TWA | STEL | TWA | PEAK | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL |
| Nitrosodimethylamine, N- | 62-75-9 | | | | | | | | | 0.001 | | | | | | | | | | | | | | | |
| Nitrotoluene, 2- | 88-72-2 | 11 | | 30 | | 11 | | | | | | 11 | | 11 | | | | | | | | | | | |
| Nitrotoluene, 3- | 99-08-1 | 11 | | 30 | | 11 | | 28 | | 11 | 22 | 11 | | 11 | | 5 | 20 | 5 | 20 | 11 | | 11 | | | |
| Nitrotoluene, 4- | 99-99-0 | 11 | | 30 | | 11 | | 28 | | 11 | 22 | 11 | | 11 | | | | | | | | | | | |
| Nitrous oxide | 10024-97-2 | 90 | | | | 46 | | 180 | | 182 | 364 | 45 | | 90 | | | | | | | | | 30 | 60 | |
| Nonane, n- | 111-84-2 | 1050 | | | | 1050 | | | | 1050 | | 1050 | | 1050 | | | | | | 1050 | | 1050 | | | |
| Nonanethiol, 1- | 1455-21-6 | | | | | | | 3.3(C)/15-min. | | | | | | | | | | | | | | | | | |
| Octachloronaphthalene | 2234-13-1 | | 0.3 | | | 0.1 | | 0.3 | | 0.1 | | 0.1 | 0.3 | 0.1 | 0.3 | | | | | 0.1 | | 0.1 | | | |
| Octadecanethiol, 1- | 2885-00-9 | | | | | | | 5.9(C)/15-min. | | | | | | | | | | | | | | | | | |
| Octafluorocyclobutane | 115-25-3 | | | | | | | | | | | | | | | | | | | | | | 200 | 500 | |
| Octane, n- | 111-65-9 | 1401 | | 2350 | | 350 | | 1800(C)/15 min. | 2400 | 1400 | 2800 | 1400 | 1750 | 1400 | 1750 | | | | | 1450 | | 1450 | 500 | 1500 | |
| Octanethiol, 1- | 111-88-6 | | | | | | | 3(C)/15-min. | | | | | | | | | | | | | | | | | |
| Osmium tetroxide | 20816-12-0 | 0,0016 | 0,0047 | 0,002 | | 0,002 | | 0,006 | 0,0021 | 0,002 | 0,002 | 0,001 | 0,004 | 0,001 | 0,004 | | | | | 0,002 | | 0,002 | 0,002 | 0,003 | |
| Oxalic acid | 144-62-7 | 1 | 2 | 1 | | 1 | | 2 | | 1 | | 1 | 2 | 1 | 2 | | | | | 1 | | 1 | | | |
| Oxybis(N,N-dimethyl ethylamine), 2,2'- | 3033-62-3 | 0,33 | 0,98 | | | | | | | | | | | | | | | | | | | | | | |
| Ozone | 10028-15-6 | | | 0,2 | | | | 0.2(C) | | 0.2 | 0.2 | 0.2 | 0.6 | | 0.2 | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 | 0.4 | 0.2 | 0.2 | 0.4 | |
| Paraffin | 8002-74-2 | 2 | | | | 2 | | | | 2(R) | | | | 2 | | | | | | 2 | | 2 | | | |
| Paraquat | 4685-14-7 | | | | | | | | | | | | 0.1(R) | | 0.1(R) | | | | | 0.1 | | 0.1 | | 0.05 | |
| Paraquat dichloride | 1910-42-5 | | | 0.5(R) | | 0.1 | | 0.1(I) | | 0.1 | 0.1 | | | | | | | | | | | | | | |
| Parathion | 56-38-2 | 0.1 | | 0.1 | | 0.05 | | 0.1(I) | | 0.1 | | 0.1 | | 0.1 | | | | | | 0.1 | | 0.1 | 0.05 | 0.1 | |
| Pentaborane | 19624-22-7 | 0,013 | 0,039 | 0,01 | | 0,01 | | 0,03 | 0,013 | 0,01 | 0,02 | 0,013 | 0,039 | 0,01 | 0,03 | | | | | 0,01 | | 0,01 | | | |
| Pentachloroethane | 76-01-7 | | | | | | | | 42 | | | | | | | | | | | | | | | | |
| Pentachloronaphthalene | 1321-64-8 | 0.5 | | | | | | | | | | 0.5 | 2.5 | 0.5 | | | | | | 0.5 | | 0.5 | | | |
| Pentachlorophenol | 87-86-5 | 0.5 | | 0.5 | | 0.5 | | | | 0.05(I) | | 0.5 | | 0.5 | | | | | | 0.5 | | 0.5 | 0.2 | 0.4 | |
| Pentaerythritol | 115-77-5 | 10 | | 15(I)/5(R) | | 10(I)/5(R) | | | | | | 10 | | 10(I) | | | | | | 10 | | 10 | | | |
| Pentanal | 110-62-3 | 176 | | | | 176 | | | | | | 176 | | 176 | | | | | | 176 | | 176 | | | |
| Pentane | 109-66-0 | 1770 | | 2950 | | 350 | | 1800(C)/15 min. | 3000 | 1800 | | 1770 | 2210 | 1770 | 2210 | | | | | 1800 | | 1800 | 500 | 1500 | |
| Pentyl acetate, 2- | 626-38-0 | 266 | 532 | 650 | | 650 | | | 270 | | | 665 | | 665 | | | | | | 670 | | | | | |
| Perchloric Acid | 7601-90-3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Perchloromethylmercaptan | 594-42-3 | 0,76 | | 0,8 | | 0,8 | | | | 0,8 | | 0,76 | | 0,76 | | 1 | 2 | 1 | 2 | 0,8 | | 0,8 | | | |
| Perlite | 93763-70-3 | 10 | | 15(I)/5(R) | | 10(I)/5(R) | | | | | | 10 | | 10(I) | | | | | | | | 10 | | | |
| Petroleum asphalt | 8052-42-4 | 0.51 | | | | | | 5(C)/15-min | | | | 5 | | 5 | | | | | | | | 5 | | | |
| Petroleum naphtha | 8002-05-9 | 2000 | | | | 350 | | 1800(C) | | | | | | | | | | | | | | | | | |
| Phenol | 108-95-2 | 19 | | 19 | | 19 | | 60(C)/15-min. | | 19 | 19 | 19 | | 19 | | 20 | 40 | 20 | 40 | 19 | | 19 | 4 | 8 | |
| Phenylglycidyl ether | 122-60-1 | 0.6 | | 60 | | | | 6(C)/15-min. | | 6 | | 6.1 | | 6.1 | | | | | | 6 | | 6 | | | |
| Phenylhydrazine | 100-63-0 | 0.44 | | 22 | | | | 0.6(C)/120-min. | | 22 | | 22 | 44 | 22 | 44 | 1 | 2 | 1 | 2 | | | 22 | | | |
| Phenylphosphine | 638-21-1 | | 0.23(C) | | | | | 0.25(C) | | 0.25 | | 0.23 | | 0.23 | | | | | | 0.25 | | 0.25 | | | |
| Phorate | 298-02-2 | 0,05 | 0,2 | | | 0,05 | | 0,2 | | 0,05 | | 0,05 | 0,2 | 0,05 | 0,2 | | | | | 0,05 | | 0,05 | | | |
| Phosgene | 75-44-5 | 0.4 | | 0.4 | | 0.4 | | 0.8(C)/15-min. | 0.082(C) | 0.08 | 0.16 | 0.4 | | 0.4 | | 0.5 | 1 | 0.5 | 1 | 0.4 | | 0.4 | | 0.4 | |
| Phosphine | 7803-51-2 | 0.42 | 1,4 | 0,4 | | 0,4 | | 1 | 0,14 | 0,15 | 0,15 | 0,42 | 1 | 0,42 | 1,4 | 0,1 | 0,2 | 0,1 | 0,2 | 0,13 | 0,4 | 0,4 | 1,5 | 0,1 | 0,2 |
| Phosphoric acid | 7664-38-2 | 1 | 3 | 1 | | 1 | | 3 | | 1 | | 1 | 3 | 1 | 3 | | | | | 1 | 3 | 1 | | | |
| Phosphorus oxychloride | 10025-87-3 | 0.63 | | | | 0.6 | | 3 | 1,3 | 0.6 | 1.2 | 0.63 | | 0.63 | 3.1 | | | | | 0.6 | | 0.6 | | | |
| Phosphorus pentachloride | 10026-13-8 | 0.85 | | 1 | | 1 | | 1(I) | | 1 | 1 | 0.85 | | 0.85 | | | | | | 1 | | 1 | | | |
| Phosphorus pentasulfide | 1314-80-3 | 1 | 3 | 1 | | 1 | | 3 | 1(I) | 1 | 1 | 1 | 3 | 1 | 3 | | | | | 1 | | 1 | | | |
| Phosphorus Pentoxide | 1314-56-3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Phosphorus trichloride | 7719-12-2 | 1,1 | 2,8 | 3 | | 1,5 | | 3 | 2,8 | 1,5 | 1,5 | 1,1 | 2,8 | 1,1 | 2,8 | 1 | 2 | 1 | 2 | 1,5 | | 1,5 | 1 | 2 | |
| Phosphorus, elemental | 7723-14-0 | 0,1 | | 0,1 | | 0,1 | | 0,1(I) | | 0,1 | 0,1 | 0,1 | | 0,1 | | 0,03 | 0,06 | 0,03 | 0,06 | 0,1 | 0,3 | 0,1 | | 0,03 | 0,06 |

Table C-1

Occupational Exposure Guidelines

| CHEMICAL NAME | CAS NO | ACGIH | | OSHA | | NIOSH | | DFG MAK | | SWISS | | Australia | | Belgium | | Czech Republic | | Slovakia | | France | | Holland | | Hungary | | |
|--|-------------|---------|-----------------|-------------------------|---------------|------------|------|----------------|------|---------|------|-----------|------|---------|------|----------------|-------|----------|-------|--------|-------|---------|-------|---------|-------|-----|
| | | TWA | STEL | TWA | STEL | TWA | STEL | TWA | PEAK | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | |
| Phthalic anhydride | 85-44-9 | 6,1 | | 12 | | 6 | | 1(I) | | 1 | 1 | 6,1 | | 6,1 | | 5 | 15 | 5 | 15 | | 6 | 1 | 2 | 1 | 2 | |
| Phthalophos | 732-11-6 | | | | | | | | | | | | | | | | | | | | | | | | 0,3 | |
| Picloram | 1918-02-1 | 10 | | 15(I)/5(R) | | | | | | 10 | | 10 | 10 | 10 | 20 | | | | | | 10 | | 10 | | | |
| Pindone | 83-26-1 | 0,1 | | 0,1 | | 0,1 | | | | 0,1 | | 0,1 | | 0,1 | | | | | | | 0,1 | | 0,1 | | | |
| Piperazine dihydrochloride | 142-64-3 | 5 | | | | 5 | | | | 5 | | 5 | | 5 | | | | | | | 5 | | 5 | | | |
| Platinum | 7440-06-4 | 1 | | | | 1 | | | | 1(I) | | 0,002 | | 0,002 | | 0,001 | 0,002 | 0,001 | 0,002 | | 1 | | 0,002 | | 0,002 | |
| Polychlorinated Biphenyls | 1336-36-3 | | | | | | | | | | | | | | | 0,5 | 1 | 0,5 | 1 | | | | | | | |
| Polytetrafluoroethylene (Pyrolysate) | 9002-84-0 | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Portland cement | 65997-15-1 | 10 | | | | 10(I)/5(R) | | 5(I) | | 6(R) | | 10 | | 10(I) | | | | | | | | | 10 | | | |
| Potassium cyanide | 151-50-8 | | 5(C) | 5 | | | | 5(C) | 5(I) | 5 | 10 | 5 | | | | | | | | | | | | | | |
| Potassium hydroxide | 1310-58-3 | | 2(C) | | | 2 | | | | 2 | | 2 | | 2 | | | | | | | 2 | | 2 | | | |
| Potassium Zinc Chromate Hydroxide | 11103-86-9 | | | | | | | | | | | 0,01 | | 0,01 | | | | | | | | | | | | |
| Propane, n- | 74-98-6 | 4508 | | 1800 | | 1800 | | 1800 | | 1800 | | 1800 | | | | | | | | | | | | | | |
| Propanoic acid | 79-09-4 | 30 | | | | 30 | 45 | 31 | | 30 | 60 | 30 | | 30 | 45 | | | | | | 30 | | 30 | | | |
| Propargyl alcohol | 107-19-7 | 2,3 | | | | 2 | | 4,7 | | 4,7 | 9,4 | 2,3 | | 2,3 | | | | | | | 2 | | 2 | | | |
| Propiolactone, beta- | 57-57-8 | 1,5 | | | | | | | | 1,5 | | 1,5 | | 1,5 | | 1 | 2 | 1 | 2 | | | | 1,5 | | | |
| Propionitrile | 107-12-0 | | | | | 14 | | | | | | | | | | | | | | | | | | | | |
| Propoxur | 114-26-1 | 0,5 | | | | | | | | 0,5 | | 0,5 | | 0,5 | | | | | | | 0,5 | | 0,5 | | | |
| Propoxyethanol, 2- | 2807-30-9 | | | | | | | | | | | | | | | | | | | | | | 44 | | | |
| Propoxyethylacetate, 2- | 20706-25-6 | | | | | | | | | | | | | | | | | | | | | | 60 | | | |
| Propyl acetate, n- | 109-60-4 | 835 | 1040 | 840 | | 840 | 1050 | 420 | | 420 | 840 | 835 | 1040 | 835 | 1040 | 400 | 1600 | 400 | 1600 | 840 | 840 | 840 | 840 | | 200 | 600 |
| Propyl alcohol, n- | 71-23-8 | 492 | 614 | 500 | | 500 | 625 | | | 500 | | 492 | 614 | 492 | 615 | 500 | 1000 | 500 | 1000 | 500 | 500 | 500 | 500 | | 100 | 200 |
| Propyl mercaptan | 107-03-9 | | | | | | | 1,6(C)/15-min. | | | | | | | | | | | | | | | | | | |
| Propyl nitrate, n- | 627-13-4 | 107 | 172 | 110 | | 105 | 170 | 110 | | 110 | | 107 | 172 | 107 | 172 | | | | | | 105 | | 110 | | | |
| Propylene glycol dinitrate, 1,2- | 6423-43-4 | 0,34 | | | | 0,3 | | 0,34 | | 0,35 | | 0,34 | | 0,34 | | | | | | | 0,3 | | 0,3 | | | |
| Propylene oxide | 75-56-9 | 4,8 | | 240 | | | | | | 6 | | 48 | | 48 | | | | | | | 50 | | 240 | | | |
| Propyleneimine | 75-55-8 | 437 | | 5 | | 5 | | | | 5 | | 4,6 | | 5 | | | | | | | | 5 | | | | |
| Propyne, 1- | 74-99-7 | 1640 | | 1650 | | 1650 | | 1700 | | 1650 | | 1650 | 2040 | 1640 | 2050 | | | | | | 1650 | | 1650 | | | |
| Pyrethrum | 8003-34-7 | 5 | | 5 | | 5 | | 5(I) | | 5 | | 5 | | 5 | | | | | | | 5 | | 5 | | | |
| Pyridine | 110-86-1 | 16 | | 15 | | 15 | | 16 | | 15 | 30 | 16 | | 15 | | 5 | 10 | 5 | 10 | | 15 | 30 | 15 | | 5 | 10 |
| Quartz | 14808-60-7 | 0,05(R) | | 30(I)/%SiO2+2 | 10(R)/%SiO2+2 | 0,5(R) | | | | 0,15(R) | | | | 0,1(R) | | | | | | | | | | | | |
| RDX | 121-82-4 | 0,5 | | | | 1,5 | 3 | | | 1,5 | | 1,5 | 3 | 1,5 | 3 | | | | | | 1,5 | | 1,5 | 1 | 2 | |
| Resorcinol | 108-46-3 | 45 | 90 | | | 45 | 90 | | | 45 | 90 | 45 | 90 | 45 | 90 | | | | | | 45 | | 45 | 45 | 90 | |
| Rhodium | 7440-16-6 | 1 | | 0,1 | | 0,1 | | | | 0,1 | | 0,01 | | 0,01 | | | | | | | 1 | | 0,001 | | | |
| Rotenone | 83-79-4 | 5 | | 5 | | 5 | | 5(I) | | 5 | | 5 | | 5 | | | | | | | | | | | | |
| Rubber Solvent | | | | | | | | | | | | | | 1570 | | | | | | | | | 1600 | | | |
| Ruelene | 299-86-5 | 5 | | | | 5 | 20 | | | 5 | | 5 | 20 | | | | | | | | 5 | | 5 | | | |
| Santonox | 96-69-5 | 10 | | 15(I)/5(R) | | 10(I)/5(R) | | | | 10 | | 10 | | 10 | | | | | | | 10 | | 10 | | | |
| Selenium | 7782-49-2 | 0,2 | | 0,2(Selenium Compounds) | | 0,2 | | 0,05(I) | | 0,1(I) | | 0,2 | | 0,2 | | | | | | | | | 0,1 | | 0,1 | |
| Selenium hexafluoride | 7783-79-1 | 0,16 | | 0,16 | | 0,16 | | | | 0,4 | | 0,16 | | 0,16 | | | | | | | 0,2 | | 0,2 | | | |
| Silane | 7803-62-5 | 6,6 | | | | 7 | | | | 0,7 | | 7 | | 6,6 | | | | | | | 7 | | 0,7 | | | |
| Silica (Amorphous-Diatomaceous Earth),(Uncalcined) | 61790-53-2 | | | | | | | | | | | | | 10 | | | | | | | | | | | | |
| Silica Gel | 112926-00-8 | | | | | | | | | | | | | 10 | | | | | | | | | | | | |
| Silicon | 7440-21-3 | 10 | | 15(I)/5(R) | | 10(I)/5(R) | | | | 4 | | 10 | | 10(I) | | | | | | | 10(I) | | 10 | | | |
| Silicon carbide | 409-21-2 | 10 | | 15(I)/5(R) | | 10(I)/5(R) | | 1,5(R) | | 4 | | 10 | | 10 | | | | | | | 10 | | 10 | | | |
| Silver | 7440-22-4 | 0,1 | | 0,01 | | 0,01 | | 0,1(I) | | 0,01 | | 0,01 | | 0,01 | | | | | | | 0,1 | | 0,01 | | 0,01 | |
| Soapstone | 14378-12-2 | | | | | | | | | | | 6 | | 6(I) | | | | | | | | | 5 | | | |
| Sodium 2,4-dichlorophenoxyethyl sulfate | 136-78-7 | 10 | | 15(I)/5(R) | | 10(I)/5(R) | | | | 10 | | 10 | | 10 | | | | | | | 10 | | 10 | | | |
| Sodium azide | 26628-22-8 | | 0,29(C)/as NaN3 | | | | | 0,3(C)/as NaN3 | 0,2 | 0,2 | | 0,3 | | 0,3 | | | | | | | 0,29 | | 0,3 | | | |

Table C-1

Occupational Exposure Guidelines

| CHEMICAL NAME | CAS NO | ACGIH | | OSHA | | NIOSH | | DFG MAK | | SWISS | | Australia | | Belgium | | Czech Republic | | Slovakia | | France | | Holland | | Hungary | |
|--|------------|-------|---------|------------|------|------------|---------------------------|-------------|------|---------|------|-----------|------|---------|------|----------------|------|----------|------|--------|------|---------|------|---------|------|
| | | TWA | STEL | TWA | STEL | TWA | STEL | TWA | PEAK | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL |
| Sodium bisulfite | 7631-90-5 | 5 | | | | 5 | | | | 5 | 5 | | | 5 | | | | | | 5 | | 5 | | | |
| Sodium cyanide | 143-33-9 | | 5(C) | 5 | | 5(C) | | 5(I) | | 5 | 10 | 5 | | | | | | | | | | | | | |
| Sodium fluoride | 7681-49-4 | | | 2,5 | | 2,5 | | | | | | | | | | | | | | | 2 | | | | |
| Sodium fluoroacetate | 62-74-8 | 0,05 | | 0,05 | | 0,05 | 0,15 | 0,05(I) | | 0,05 | 0,1 | 0,05 | 0,15 | 0,05 | 0,15 | | | | | 0,05 | | 0,05 | | | |
| Sodium hydroxide | 1310-73-2 | | 2(C) | 2 | | | 2(C) | | | 2 | 2 | 2 | | | 2 | | | | | | | | | | |
| Sodium metabisulfite | 7681-57-4 | 5 | | | | 5 | | | | 5 | | | | 5 | | | | | | 5 | | 5 | | | |
| Sodium Nitrite | 7632-00-0 | | | | | | | | | | | | | | | 1 | 5 | 1 | 5 | | | | | | 1 |
| Sodium Silicofluoride | 16893-85-9 | | | | | | | | | | | | | | | 1,5 | 3 | 1,5 | 3 | | | | | | |
| Sodium tetraborate | 1330-43-4 | 1 | | | | 1 | | | | 1 | | 1 | | 1 | | | | | | 1 | | | | | |
| Sodium tetraborate pentahydrate | 12179-04-3 | 1 | | | | 1 | | | | 1 | | 1 | | 1 | | | | | | 1 | | 1 | | | |
| Starch | 9005-25-8 | 10 | | 15(I)/5(R) | | 10(I)/5(R) | | | | 6 | | | | | | | | | | | | | | | |
| Stearates | | | | | | | | | | | | 10 | | 10(I) | | | | | | | | | | | |
| Stoddard solvent | 8052-41-3 | 525 | | 2900 | | 350 | 1800(C)/15 min. | | | | | 790 | | 525 | | | | | | | | | 575 | | |
| Strychnine | 57-24-9 | 0,15 | | 0,15 | | 0,15 | | | | 0,15 | 0,3 | 0,15 | | 0,15 | | | | | | 0,15 | | 0,15 | | | |
| Styrene | 100-42-5 | 85 | 170 | | | 215 | 425 | 86 | | 85 | 170 | 213 | 426 | 213 | 426 | 200 | 1000 | 200 | 1000 | 215 | | 420 | | | 50 |
| Sucrose | 57-50-1 | 10 | | 15(I)/5(R) | | 10(I)/5(R) | | | | | | 10 | | 10(I) | | | | | | 10 | | 10 | | | |
| Sulfur decafluoride | 5714-22-7 | | 0,10(C) | | | | 0,1(C) | 0,26 | | 0,1 | 0,1 | 0,1 | | | 0,1 | | | | | | | | | | |
| Sulfur difluoride dioxide | 2699-79-8 | 21 | 42 | 20 | | 20 | 40 | | | 20 | 21 | 42 | 21 | 42 | | | | | | 20 | | 20 | | | |
| Sulfur dioxide | 7446-09-5 | 5,2 | 13 | 13 | | 5 | 13 | 1,3 | | 1,3 | 1,3 | 5,2 | 13 | 5,2 | 13 | 5 | 10 | 5 | 10 | 5 | 10 | 5 | | | 3 |
| Sulfur fluoride | 2551-62-4 | 5970 | | 6000 | | 6000 | | 6100 | | 6000 | 5970 | | 5970 | | 5970 | | | | | 6000 | | 6000 | | | 6 |
| Sulfur monochloride | 10025-67-9 | | 5,5(C) | 6 | | | 6(C) | 5,6 | | 6 | 6 | 5,5 | | | 5,5 | | | | | | | 6 | | | 5 |
| Sulfur tetrafluoride | 7783-60-0 | | 0,44(C) | | | | 0,4(C) | | | 0,4 | | 0,44 | | | 0,44 | | | | | | | 0,4 | | | |
| Sulfur Trioxide | 7446-11-9 | | | | | | | | | | | | | | | 1 | 2 | 1 | 2 | | | | | | 1 |
| Sulfuric acid | 7664-93-9 | 1 | 3 | 1 | | 1 | | 0,1(I) | | 0,1 | 0,1 | 1 | | 1 | 3 | 1 | 2 | 1 | 2 | 1 | 3 | 1 | | | 1 |
| Sulprofos | 35400-43-2 | 1 | | | | 1 | | | | 1 | 1 | 1 | | 1 | | | | | | 1 | | 1 | | | |
| T, 2,4,5- | 93-76-5 | 10 | | 10 | | 10 | | 10(I) | | 10 | 50 | 10 | | 10 | | | | | | 10 | | 10 | | | |
| Talc | 14807-96-6 | 2R | | | | 2(R) | | 2(R) | | 2(R) | | 2,5 | | 2(R) | | | | | | | | 3 | | 6 | |
| Tantalum | 7440-25-7 | 5 | | 5 | | 5 | 10 | 4(I)/1,5(R) | | 5 | | 5 | | 5 | | | | | | 5 | | 5 | | | |
| Tantalum Oxide | 1314-61-0 | | | | | | | | | | | 5 | | 5 | | | | | | | | | | | |
| Tellurium | 13494-80-9 | 0,1 | | 0,1 | | 0,1 | | 0,1(I) | | 0,1 | 0,5 | 0,1 | | 0,1 | | | | | | 0,1 | | 0,1 | | | |
| Tellurium hexafluoride | 7783-80-4 | 0,2 | | 0,2 | | 0,2 | | | | 0,2 | | 0,1 | | 0,1 | | | | | | 0,2 | | | | | |
| Temefos | 3383-96-8 | 10 | | 15(I)/5(R) | | 10(I)/5(R) | | | | 10 | | 10 | | 10 | | | | | | 10 | | 10 | | | |
| Terphenyls (All Or Mixed Isomers) | 26140-60-3 | | | | | | | | | | | 4,7 | | | 4,7 | | | | | | 5 | | 4,5 | | |
| tert-Butyl acetate | 540-88-5 | 950 | | 950 | | 950 | | | | 96 | 480 | 950 | | 950 | | | | | | 950 | | 950 | | | |
| tert-Butyl alcohol | 75-65-0 | 303 | | 300 | | 300 | 450 | 62 | | 60 | 300 | 303 | 450 | 303 | 455 | | | | | 300 | | 300 | | | |
| tert-Butyl chromate | 1189-85-1 | | 0,1(C) | | | 0,1(C) | 0,001/10h-IWA | | | 0,05(I) | | 0,1 | | | 0,1 | | | | | | 0,1 | 0,1 | | | |
| Tetrabromoethane, 1,1,2,2- | 79-27-6 | 14 | | 14 | | | | 14 | | 14 | 28 | 14 | | 14 | | | | | | 15 | | 14 | | | |
| Tetrabromomethane | 558-13-4 | 1,4 | 4,1 | | | 1,4 | 4 | | | 1,4 | | 1,4 | 4,1 | 1,4 | 4,1 | | | | | 1,4 | | 1,4 | | | |
| Tetrachloro-1,2-difluoroethane, 1,1,2,2- | 76-12-0 | 4170 | | 4170 | | 4170 | | 1700 | | 1690 | 8450 | 4170 | | 4170 | | | | | | 4170 | | 850 | | | |
| Tetrachloro-2,2-difluoroethane, 1,1,1,2- | 76-11-9 | 4170 | | 4170 | | 4170 | | 8500 | | 4200 | 4200 | 4170 | | 4170 | | | | | | 4170 | | 4170 | | | |
| Tetrachloro-2-picoline, 2,2,2,6- | 1929-82-4 | 10 | 20 | 15(I)/5(R) | | 10(I)/5(R) | 20(R) | | | 10 | | 10 | 20 | 10 | 20 | | | | | 10 | | 10 | | | |
| Tetrachloro-dibenzo-p-dioxin, 2,3,7,8- | 1746-01-6 | | | | | | | 1*10 -8(I) | | | | | | | | | | | | | | | | | |
| Tetrachloroethane | 25322-20-7 | | | | | | | | | | | | | | | | | | | | | | | | |
| Tetrachloroethane, 1,1,2,2- | 79-34-5 | 6,9 | | 35 | | 7 | | 7 | | 7 | | 6,9 | | 6,9 | | | | | | 7 | 35 | 7 | | | |
| Tetrachloroethylene | 127-18-4 | 170 | 685 | 686 | | | 300/5-min. peak in 3 hrs. | | | 345 | 690 | 340 | 1020 | 339 | 1368 | 250 | 1250 | 250 | 1250 | 335 | | 240 | | | 50 |
| Tetrachloronaphthalene | 1335-88-2 | 2 | | 2 | | 2 | | | | 2 | | 2 | | 2 | | | | | | 2 | | 2 | | | |
| Tetraethyl lead | 78-00-2 | 0,1 | | 0,075 | | 0,075 | | 0,05 | | 0,05 | 0,1 | 0,1 | | 0,1 | | | | | | 0,1 | | 0,1 | | 0,005 | 0,01 |
| Tetraethyl pyrophosphate | 107-49-3 | 0,047 | | 0,05 | | 0,05 | | 0,06 | | 0,05 | | 0,047 | | 0,047 | | | | | | 0,05 | | 0,05 | | | |
| Tetrahydrofuran | 109-99-9 | 590 | 737 | 590 | | 590 | 735 | 150 | | 150 | 300 | 590 | 733 | 590 | 738 | | | | | 590 | | 300 | | 200 | 400 |

Table C-1

Occupational Exposure Guidelines

| CHEMICAL NAME | CAS NO | ACGIH | | OSHA | | NIOSH | | DFG MAK | | SWISS | | Australia | | Belgium | | Czech Republic | | Slovakia | | France | | Holland | | Hungary | |
|--|------------|-------|---------|------------------------------|---------|---------------------------|-------------|-----------------|------|---------|---------|-----------|------|---------|------|----------------|------|----------|------|--------|------|---------|------|---------|------|
| | | TWA | STEL | TWA | STEL | TWA | STEL | TWA | PEAK | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL |
| Tetralin | 119-64-2 | | | | | | | | | | | | | | | | | | | | | | | 100 | 300 |
| Tetramethyl lead | 75-74-1 | 0,15 | | 0,075 | | 0,075 | | 0,05 | | 0,05 | 0,1 | 0,15 | | 0,15 | | | | | | 0,15 | | 0,15 | | 0,005 | 0,01 |
| Tetramethyl succinodinitrile | 3333-52-6 | 2,8 | | 3 | | 3 | | 2,8 | | 3 | 6 | 2,8 | | 2,8 | | | | | | 3 | | 3 | | | |
| Tetranitromethane | 509-14-8 | 0,04 | | 8 | | 8 | | | | 8 | | 8 | | 8 | | | | | | 8 | | 8 | | | |
| Tetrasodium pyrophosphate | 7722-88-5 | 5 | | 5 | | 5 | | | | 5 | | 5 | | 5 | | | | | | 5 | | 5 | | | |
| Thallium | 7440-28-0 | 0,1 | | 0,1 | | 0,1 | | 0,1(I) | | 0,1 | | 0,1 | | 0,1 | | | | | | 0,1 | | 0,1 | | 0,01 | 0,02 |
| Thionyl chloride | 7719-09-7 | | 4,9(C) | | | | | 5(C) | | 5 | | 4,9 | | 4,9 | | | | | | | | 5 | | | |
| Thiophenol | 108-98-5 | 2,3 | | | | | | 0,5(C)/15-min | | 2,3 | | 2,3 | | 2,3 | | | | | | 2 | | 2 | | | |
| Thiourea, 2- | 62-56-6 | | | | | | | | | | | | | | | | | | | | | | | | 0,5 |
| Thiram | 137-26-8 | 1 | | 5 | | 5 | | 5(I) | | 5 | 25 | 1 | | 5 | | | | | | 5 | | 5 | | | |
| Tin | 7440-31-5 | 2 | | 2 | | 2 | | | | 2 | 4 | 0,1 | 0,2 | 0,1 | | | | | | 0,1 | 0,2 | 0,1 | | | 0,1 |
| Tin oxide | 18282-10-5 | 2 | | 2 | | 2 | | | | | | 2 | | 2 | | | | | | | | 2 | | | |
| Titanium dioxide | 13463-67-7 | 10 | | 15(I) | | | | 15(R) | | 6 | | 10 | | 10 | | | | | | 10 | | 10 | | | |
| Toluene | 108-88-3 | 188 | | 750/10-min. per 8 hr. | | 375 | 560 | 190 | | 380 | 1900 | 375 | 560 | 377 | 565 | 200 | 1000 | 200 | 1000 | 375 | 560 | 375 | | 100 | 300 |
| Toluene diisocyanate, 2,4- | 584-84-9 | 0,036 | 0,14 | | 0,14(C) | | | | | 0,04 | 0,08 | | | 0,036 | 0,14 | 0,07 | 0,14 | 0,07 | 0,14 | | | 0,04 | 0,15 | | |
| Toxaphene | 8001-35-2 | 0,5 | 1 | 0,5 | | | | | | 0,5 | | 0,5 | 1 | 0,5 | 1 | | | | | 0,5 | | 0,5 | | | |
| Tri-o-cresyl phosphate | 78-30-8 | 0,1 | | 0,1 | | 0,1 | | | | 0,1 | | 0,1 | | 0,1 | | | | | | 0,1 | | 0,1 | | 0,1 | 0,2 |
| Tributyl phosphate | 126-73-8 | 2,2 | | 5 | | 2,5 | | | | 2,5 | | 2,2 | | 2,2 | | | | | | 2,5 | | 5 | | | |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- | 76-13-1 | 7670 | 9590 | 7600 | | 7600 | 9500 | 3900 | | 3800 | | 7670 | 9500 | 7670 | 9590 | | | | | 7600 | 9500 | 1170 | | | 40 |
| Trichloroacetic acid | 76-03-9 | 6,7 | | | | 7 | | | | 7 | | 7 | | 6,7 | | | | | | 5 | | 1 | | | |
| Trichlorobenzene, 1,2,4- | 120-82-1 | | 37(C) | | | | | 40(C) | | 40 | | 37 | | 37 | | | | | | 40 | | 40 | | | |
| Trichloroethane, 1,1,1- | 71-55-6 | 1910 | 2460 | 1900 | | | | 1910/15-min. | 1100 | 1080 | 5400 | 680 | | 1910 | 2460 | 500 | 2000 | 500 | 2000 | 1650 | 2500 | | | 100 | 300 |
| Trichloroethane, 1,1,2- | 79-00-5 | 55 | | 45 | | 45 | | | 55 | 55 | 275 | 55 | | 55 | | | | | | | | 45 | | 10 | 20 |
| Trichloroethylene | 79-01-6 | 269 | 537 | 540/5-min. peak in 2 hrs. | | 2(C) | | | | 260 | 1300 | 270 | 1080 | 269 | 1070 | 250 | 1250 | 250 | 1250 | 405 | 1080 | 190 | 538 | 20 | 40 |
| Trichloronaphthalene | 1321-65-9 | 5 | | 5 | | 5 | | | | 5 | | 5 | | 5 | | | | | | 5 | | 5 | | 1 | 2 |
| Trichloropropane, 1,2,3- | 96-18-4 | 60 | | 300 | | 60 | | | | 60 | | 60 | | 60 | | | | | | | | 60 | | | |
| Tricyclohexyltin hydroxide | 13121-70-5 | 5 | | | | 5 | | | | 5 | | 5 | | | | | | | | 5 | | 5 | | | |
| Tridymite | 15468-32-3 | | | | | | | | | | | | | 0,05(R) | | | | | | | | 0,075 | | | |
| Triethylamine | 121-44-8 | 4,1 | 12,4 | 100 | | | | 4,2 | | 4,2 | 8,4 | 12 | 20 | | | | | | | 40 | | | | 20 | 40 |
| Trifluoroethoxyethene, 2,2,2- | 406-90-6 | | | | | | | 10,3(C)/60 min. | | | | | | | | | | | | | | | | | |
| Trimellitic anhydride | 552-30-7 | | 0,04(C) | | | 0,04 | | 0,04 | | 0,04(R) | 0,04(R) | 0,039 | | 0,059 | | | | | | 0,04 | | 0,04 | | | |
| Trimethyl Benzene (Mixed Or All Isomers) | 25551-13-7 | | | | | | | | | | | 125 | | 123 | | | | | | 125 | | 125 | | | |
| Trimethyl phosphite | 121-45-9 | 10 | | | | 10 | | | | 10 | | 10 | | 10 | | | | | | 10 | | 10 | | | |
| Trimethylamine | 75-50-3 | 12 | 36 | | | 24 | 36 | | | | | 24 | 36 | 24 | 36 | | | | | | 25 | 1 | | 5 | 10 |
| Trimethylbenzene, 1,2,3- | 526-73-8 | 123 | | | | 125 | | 100 | | | | 100 | | | | | | | | | | | | | |
| Trimethylbenzene, 1,2,4- | 95-63-6 | 123 | | | | 125 | | 100 | | | | 100 | | | | | | | | | | | | | |
| Trimethylbenzene, 1,3,5- | 108-67-8 | 123 | | | | 125 | | 100 | | | | 100 | | | | | | | | | | | | | |
| Trinitrophenol, 2,4,6- | 88-89-1 | 0,1 | | 0,1 | | 0,1 | 0,3 | 0,1(I) | | 0,1 | 0,1 | 0,1 | | 0,1 | 0,3 | | | | | 0,1 | | 0,1 | | 0,1 | 0,2 |
| Trinitrotoluene, 2,4,6- | 118-96-7 | 0,1 | | 1,5 | | 0,5 | | 0,1 | | 0,1 | 0,2 | 0,5 | | 0,5 | | 0,5 | 2,5 | 0,5 | 2,5 | 0,5 | | 0,1 | | 0,1 | 0,5 |
| Trioxane, 1,3,5- | 110-88-3 | | | | | | | | | | | | | | | | | | | | | | | 15 | 30 |
| Trioxychlorofluoride | 7616-94-6 | 13 | 25 | 13,5 | | 14 | 28 | | | 13 | | 13 | 25 | 13 | 25 | | | | | 14 | | 14 | | | |
| Triphenyl phosphate | 115-86-6 | 3 | | 3 | | 3 | | | | 3 | | 3 | | 3 | | | | | | 3 | | 3 | | | |
| Triphenylamine | 603-34-9 | 5 | | | | 5 | | | | 5 | | 5 | | 5 | | | | | | 5 | | | | | |
| Tripoli | 1317-95-9 | | | | | | | | | | | | | 0,1(R) | | | | | | | | | | | |
| Tungsten | 7440-33-7 | 5 | 10 | | | 5 | 10 | | | 5(I) | | 1 | 3 | 1 | 3 | | | | | | | 5 | | | |
| Turpentine | 8006-64-2 | 556 | | 560 | | 560 | | 560 | | 560 | | 557 | | 556 | | | | | | 560 | | 560 | | 300 | 600 |
| Undecanethiol, 1- | 5332-52-5 | | | | | | | 3,9(C)/15-min. | | | | | | | | | | | | | | | | | |
| Uranium | 7440-61-1 | 0,2 | 0,6 | 0,05 | | 0,05(sol.)/ 2 (insol.) | 0,6(insol.) | 0,25(I) | | 0,2(I) | | 0,2 | 0,6 | 0,2 | 0,6 | | | | | | | 0,2 | | | |
| Vanadium | 7440-62-2 | | | | | | | | | | | | | | | 0,5 | 1,5 | 0,5 | 1,5 | | | 0,5 | | | |

Table C-1

Occupational Exposure Guidelines

| CHEMICAL NAME | CAS NO | ACGIH | | OSHA | | NIOSH | | DFG MAK | | SWISS | | Australia | | Belgium | | Czech Republic | | Slovakia | | France | | Holland | | Hungary | |
|--------------------------|------------|-------|------|------------|------------------------------------|-----------|---------------------|---------|------|-------|------|-----------|------|---------|------|----------------|------|----------|------|--------|------|---------|------|---------|------|
| | | TWA | STEL | TWA | STEL | TWA | STEL | TWA | PEAK | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL | TWA | STEL |
| Vanadium pentoxide | 1314-62-1 | 0,05 | | | 0.5(C)Res. Dust/ 0.1(C) fume | | 0.05(C)/ 15 min. | 0.05(R) | | 0.05 | 0.25 | 0.05 | | 0.05 | | 0.1 | 0.3 | 0.1 | 0.3 | 0.05 | | | | 0.05 | 0.1 |
| Vanadium-Carbide | 12070-10-9 | | | | | | | | | | | | | | | | | | | | | | 0.5 | | |
| Vanadium-Halides | | | | | | | | | | | | | | | | | | | | | | | 0.01 | | |
| Vanadium-Oxides | | | | | | | | | | | | | | | | | | | | | | | 0.01 | | |
| Vanadium-Sulfate | 1344-64-5 | | | | | | | | | | | | | | | | | | | | | | 0.01 | | |
| Vegetable mist | 68956-68-3 | 10 | | 5(R) | | 5(R) | | | | | | | | | | | | | | | | | | | |
| Vegetable Oil Mist | 8008-89-7 | | | | | | | | | | | 10 | | 10 | | | | | | | | | | | |
| Vinyl acetate | 108-05-4 | 35 | 53 | | | | 15(C)/15- min. | 36 | | 35 | 35 | 35 | 70 | 35 | 70 | 20 | 50 | 20 | 50 | 30 | | 30 | | | |
| Vinyl bromide | 593-60-2 | 2,2 | | | | | | | | 22 | | 20 | | 22 | | | | | | | | 20 | | | |
| Vinyl chloride | 75-01-4 | 2,6 | | | | | | | | 5.2 | | 13 | | 13 | | 10 | 30 | 10 | 30 | | | | | 10 | |
| Vinylcyclohexene dioxide | 106-87-6 | 0,57 | | | | 60 | | | | 60 | | 57 | | 57 | | | | | | | | 60 | | | |
| Warfarin | 81-81-2 | 0,1 | | 0,1 | | 0,1 | | 0.5(I) | | 0.1 | 0.5 | 0.1 | | 0.1 | | | | | 0.1 | | | 0.1 | | | |
| Welding Fumes | | | | | | | | | | | | 5 | | | | | | | | | | | | | |
| Wood Dust | | | | | | | | | | | | 5 | 10 | | | | | | | | | | | | |
| Wood Dust (Hard Wood) | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| Xylene (All Isomers) | 1330-20-7 | | | | | | | | | | | 350 | 655 | 434 | 651 | 200 | 1000 | 200 | 1000 | 435 | 650 | 435 | | 100 | 300 |
| Xylene, 3- | 108-38-3 | 434 | 651 | 435 | | 435 | | 655 | 440 | | | 350 | 655 | 434 | 651 | | | | | | | | | | |
| Xylene, 4- | 106-42-3 | 434 | 651 | 435 | | 435 | | 655 | 440 | | | 350 | 655 | 434 | 651 | | | | | | | | | | |
| Xylene, o- | 95-47-6 | 434 | 651 | 435 | | 435 | | 655 | 440 | | | 350 | 655 | 434 | 651 | | | | | | | | | | |
| Xylidine | 1300-73-8 | 2,5 | | 25 | | 10 | | | | 10 | | 0.25 | | 9.9 | | 5 | 20 | 5 | 20 | 10 | | 10 | | 5 | 10 |
| Yttrium | 7440-65-5 | 1 | | 1 | | 1 | | | | | | 1 | | 1 | | | | | | 1 | | 1 | | | |
| Zinc chloride | 7646-85-7 | 1 | 2 | 1 | | 1 | 2 | | | 1 | | 1 | 2 | 1 | 2 | | | | | 1 | | 1 | | | |
| Zinc Chromate | 13530-65-9 | | | | | | | | | | | 0.01 | | 0.01 | | | | | | 0.05 | | | | 0.01 | |
| Zinc oxide | 1314-13-2 | 10 | | 15(I)/5(R) | | 5 | | | | 5 | | 5 | 10 | 5 | 10 | 5 | 15 | 5 | 15 | 5 | | 5 | | 5 | 10 |
| Zinc stearate | 557-05-1 | 10 | | 15(I)/5(R) | | 10(I)5(R) | | | | 6 | | | | | | | | | | 10 | | 10 | | | |
| Zirconium | 7440-67-7 | 5 | 10 | 5 | | 5 | 10 | 1(I) | | 5(I) | | 5 | 10 | 5 | 10 | | | | | | | 5 | | | 5 |

Note: All exposure guideline values in mg/m³

Exposure values for the Czech Republic and Slovakia have been adapted from those of the former Czechoslovakia

(C) Ceiling exposure that shall not be exceeded during any part of the workday.

ACGIH American Conference of Governmental Industrial Hygienists

OSHA Occupational Safety and Health Administration

NIOSH National Institute for Occupational Safety and Health

DFG Deutsche Forschungsgemeinschaft

MAK Maximale Arbeitsplatzkonzentration

TWA Time Weighted Average

STEL Short-Term Exposure Limit

TLV Threshold Limit Value

PEL Permissible Exposure Limit

REL Recommended Exposure Limit

R Respirable fraction

I Inhalable fraction