

the list The suggestions should be accompanied by substantiating evidence  
The list of Intended Changes follows the

Adopted Values in the TLV booklet

Legal status. By publication in the

Federal Register (Vol 36, No 105, May 29, 1971) the Threshold Limit Values are now official federal standards for industrial air

ADOPTED VALUES  
In Alphabetical Order  
(See Documentation for Basis of TLV's)

| Substance                                       | ppm <sup>a</sup> | mg/cu m <sup>b</sup> |                                                   |       |                 |
|-------------------------------------------------|------------------|----------------------|---------------------------------------------------|-------|-----------------|
| Abate                                           | -                | 10                   | Asphalt (petroleum) fumes                         | -     | 5               |
| • Acetaldehyde                                  | 100              | 180                  | Azinphos methyl—Skin                              | -     | 0.2             |
| Acetic acid                                     | 10               | 25                   | Barium (soluble compounds)                        | -     | 0.5             |
| C Acetic anhydride                              | 5                | 20                   | C Benzene (benzol)—Skin                           | 25    | 80              |
| Acetone                                         | 1,000            | 2,400                | Benzidine—Skin                                    | -     | A <sup>1b</sup> |
| Acetonitrile                                    | 40               | 70                   | p-Benzquinone, see Quinone                        | -     | -               |
| 2-Acetylaminofluorene—Skin                      | -                | A <sup>2</sup>       | Benzoyl peroxide                                  | -     | 5               |
| Acetylene                                       | F                | -                    | Benzyl chloride                                   | 1     | 5               |
| Acetylene dichloride, see 1,2 Dichloro-ethylene | -                | -                    | Beryllium                                         | -     | 0.002           |
| Acetylene tetrabromide                          | 1                | 14                   | Biphenyl, see Diphenyl                            | -     | -               |
| Acrolein                                        | 0.1              | 0.25                 | • Bismuth telluride                               | -     | 10              |
| Acrylamide—Skin                                 | -                | 0.3                  | • Bismuth telluride (Se-doped)                    | -     | 5               |
| Acrylonitrile—Skin                              | 20               | 45                   | Boron oxide                                       | -     | 10              |
| Aldrin—Skin                                     | -                | 0.25                 | Boron tribromide                                  | 1     | 10              |
| Allyl alcohol—Skin                              | 2                | 3                    | C Boron trifluoride                               | 1     | 3               |
| Allyl chloride                                  | 1                | 5                    | Bromine                                           | 0.1   | 0.7             |
| • Allyl glycidyl ether (AGE)                    | 10               | 45                   | Bromine pentafluoride                             | 0.1   | 0.7             |
| Allyl propyl disulfide                          | 2                | 12                   | Bromoform—Skin                                    | 0.5   | 5               |
| Alundum (Al <sub>2</sub> O <sub>3</sub> )       | -                | E                    | Butadiene (1, 3-butadiene)                        | 1,000 | 2,200           |
| 4-Aminodiphenyl—Skin                            | -                | A <sup>1b</sup>      | • Butane                                          | 500   | 1,200           |
| 2-Aminoethanol, see Ethanolamine                | -                | -                    | Butanethiol, see Butyl mercaptan                  | -     | -               |
| 2-Aminopyridine                                 | 0.5              | 2                    | 2-Butanone                                        | 200   | 590             |
| • Ammonia                                       | 50               | 35                   | 2-Butoxy ethanol (Butyl Cellosolve)—Skin          | 50    | 240             |
| Ammonium chloride, fume                         | -                | 10                   | Butyl acetate (n-butyl acetate)                   | 150   | 710             |
| Ammonium sulfate (Ammate)                       | -                | 10                   | sec-Butyl acetate                                 | 200   | 950             |
| n-Amyl acetate                                  | 100              | 525                  | tert-Butyl acetate                                | 200   | 950             |
| sec-Amyl acetate                                | 125              | 650                  | Butyl alcohol                                     | 100   | 300             |
| Aniline—Skin                                    | 5                | 19                   | sec-Butyl alcohol                                 | 150   | 450             |
| Anisidine (o,p-isomers)—Skin                    | 0.1              | 0.5                  | tert-Butyl alcohol                                | 100   | 300             |
| Antimony and compounds (as Sb)                  | -                | 0.5                  | C Butylamine—Skin                                 | 5     | 15              |
| ANTU (alpha naphthyl thiourea)                  | -                | 0.3                  | C tert-Butyl chromate (as CrO <sub>3</sub> )—Skin | -     | 0.1             |
| Argon                                           | F                | -                    | n-Butyl glycidyl ether (BGE)                      | 50    | 270             |
| Arsenic and compounds (as As)                   | -                | 0.5                  | Butyl mercaptan                                   | 0.5   | 1.5             |
| Arsine                                          | 0.05             | 0.2                  | p-tert-Butyltoluene                               | 10    | 60              |
|                                                 |                  |                      | Cadmium (Metal dust and soluble salts)            | -     | 0.2             |