

## Title 29—LABOR

### Chapter XVII—Occupational Safety and Health Administration, Department of Labor

#### PART 1910—OCCUPATIONAL SAFETY AND HEALTH STANDARDS

##### National Consensus Standards and Established Federal Standards

Pursuant to authority in sections 6(a) and 8(g) of the Williams-Steiger Occupational Safety and Health Act of 1970 (84 Stat. 1593, 1600; 29 U.S.C. 655, 657), Chapter XVII of Title 29 of the Code of Federal Regulations, established on April 13, 1971 (36 F.R. 7006), is hereby amended by adding thereto a new Part 1910 to read as set forth below.

The provisions of 5 U.S.C. 553 concerning notice of proposed rulemaking, public participation therein, and delay in effective date are inapplicable by virtue of the exception to 5 U.S.C. Ch. 5, provided in section 6(a) of the Act.

The new Part 1910 contains occupational safety and health standards which are either national consensus standards or established Federal standards.

The national consensus standards are occupational safety and health standards adopted and promulgated either by the American National Standards Institute (ANSI) or by the National Fire Protection Association (NFPA) under procedures whereby it can be determined that persons interested and affected by the scope or provisions of the standards have reached substantial agreement on their adoption. I have determined that those standards have been adopted and promulgated under such procedures. Accordingly, pursuant to this determination, after consultation with other appropriate Federal agencies, and in accordance with section 3(9) of the Act, I do hereby designate as national consensus standards those standards in Part 1910 which are standards adopted and promulgated by either the American National Standards Institute or the National Fire Protection Association. The national consensus standards contain only mandatory provisions of the standards promulgated by those two organizations. The standards of ANSI and NFPA may also contain advisory provisions and recommendations the adoption of which by employers is encouraged, but they are not adopted in Part 1910.

The established Federal standards are operative occupational safety and health standards in effect on April 28, 1971, and established by the Department of Labor pursuant to section 107 of the Contract Work Hours and Safety Standards Act, as amended (40 U.S.C. 333); section 41 of the Longshoremen's and Harbor Workers' Compensation Act, as amended (33 U.S.C. 941); the Walsh-Healey Public Contracts Act, as amended (41 U.S.C. 35); the Service Contract Act of 1965 (41 U.S.C. 351); or pursuant to the National Foundation on the Arts and Humanities Act (20 U.S.C. 951). In any proceeding to

enforce any such standard, brought under any of such statutes or under the Williams-Steiger Occupational Safety and Health Act of 1970, the principle of collateral estoppel will be followed.

The effective date of the national consensus standards is delayed for 90 days with respect to every employer and employment subject to the Williams-Steiger Occupational Safety and Health Act of 1970. The effective date of the established Federal standards is also delayed for 90 days, but only for employers and employments not subject to any of the statutes listed in the preceding paragraph. The purpose of the delay is to insure that affected employers and employees would be informed of the existence of the standards and of their terms, and to give such employers and employees an opportunity to familiarize themselves with the requirements of the standards before their application. The delay is also intended to afford a State a full opportunity to apply for an agreement under section 18(h) of the Act permitting it to continue to enforce one or more occupational safety and health standards in the State and to submit a plan under section 18(b) of the Act for the development and enforcement of State safety and health standards. However, for established Federal standards which correspond to occupational safety and health standards (1) promulgated under any of the statutes listed in the preceding paragraph and (2) applicable to any employer and any employment by virtue of any of such statutes, no delay in effective date is provided with respect to such employer and employment. In the case of employers and employments subject to standards issued under such statutes, familiarity already exists.

An additional delay in effective date until February 15, 1972, is provided and codified in the new Part 1910 in sections within Subparts G, H, I, L, N, O, P, R, and S in situations where additional time is considered necessary to adjust to the new standards.

**Effective date.** The occupational safety and health standards in new Part 1910 shall become effective on August 27, 1971, except: (1) Where additional delays in effective date are specifically provided, and (2) with respect to any employment and place of employment which, on a date before August 27, 1971, is or becomes subject to any safety and health standard prescribed in 29 CFR Parts 505, 1501, 1502, 1503, 1504, 1516, or 1518, or in 41 CFR Part 50-204, any corresponding occupational safety and health standard in Subpart B of this Part 1910, or in Subpart D through S which are from 41 CFR 50-204, shall also become effective, and shall be applicable to such employment and place of employment, on such earlier date. For example, whenever a standard promulgated under the Contract Work Hours and Safety Standards Act and contained in 29 CFR Part 1518 is applicable to an employment and places of employment by virtue of the performance of a construction contract on a date before August 27, 1971, the

corresponding standard promulgated under section 1910.12 of new Part 1910 shall also become effective on the same date with respect to such employment and place of employment. However, the effective date provision shall not be construed to relieve any employer of any duty under section 5(a)(1) of the Act to remove each of his employees employed at a place of employment with respect to recognized hazards that are or likely to cause death or serious physical harm to his employees, or to the Secretary of Labor of his responsibilities and authority under section 107 of the Act to initiate enforcement proceedings to counteract employers, where any employer breaches his duty under section 5(a)(1).

The new Part 1910 is set forth below.

Signed at Washington, D.C., this 28th day of April, 1971.

J. D. Hodgman  
Secretary of Labor

#### PART 1910—OCCUPATIONAL SAFETY AND HEALTH STANDARDS

##### Subpart A—General

| Sec.   |                                                                 |
|--------|-----------------------------------------------------------------|
| 1910.1 | Purpose and scope.                                              |
| 1910.2 | Definitions.                                                    |
| 1910.3 | Petitions for the issuance, amendment, or repeal of a standard. |
| 1910.4 | Amendments to this part.                                        |
| 1910.5 | Applicability of standards.                                     |
| 1910.6 | Incorporation by reference.                                     |

##### Subpart B—Adoption and Extension of Established Federal Standards

|         |                    |
|---------|--------------------|
| 1910.11 | Scope and purpose. |
| 1910.12 | Construction work. |
| 1910.13 | Ship repairing.    |
| 1910.14 | Shipbuilding.      |
| 1910.15 | Shipbreaking.      |
| 1910.16 | Longshoring.       |

##### Subpart C—(Reserved)

##### Subpart D—Walking—Working Surfaces

|         |                                                                  |
|---------|------------------------------------------------------------------|
| 1910.21 | Definitions.                                                     |
| 1910.22 | General requirements.                                            |
| 1910.23 | Guarding floor and wall openings and holes.                      |
| 1910.24 | Fixed industrial stairs.                                         |
| 1910.25 | Portable wood ladders.                                           |
| 1910.26 | Portable metal ladders.                                          |
| 1910.27 | Fixed ladders.                                                   |
| 1910.28 | Safety requirements for manholes.                                |
| 1910.29 | Manually propelled mobile ladders, stands and scaffolds (tower). |
| 1910.30 | Other working surfaces.                                          |
| 1910.31 | Sources of standards.                                            |
| 1910.32 | Standards organizations.                                         |

##### Subpart E—Means of Egress

|         |                                                     |
|---------|-----------------------------------------------------|
| 1910.35 | Definitions.                                        |
| 1910.36 | General requirements.                               |
| 1910.37 | Means of egress, general.                           |
| 1910.38 | Specific means of egress requirements by occupancy. |
| 1910.39 | Sources of standards.                               |
| 1910.40 | Standards organizations.                            |

##### Subpart F—Powered Platforms, Manlifts and Vehicle-Mounted Work Platforms

|         |                                                        |
|---------|--------------------------------------------------------|
| 1910.66 | Power platforms for exterior building maintenance.     |
| 1910.67 | Vehicle-mounted elevating and rotating work platforms. |
| 1910.68 | Manlifts.                                              |
| 1910.69 | Sources of standards.                                  |
| 1910.70 | Standards organizations.                               |

# RULES AND REGULATIONS

10505

TABLE G-I—Con.

| Substance              | p.p.m.* | mg./M <sup>3</sup> * |
|------------------------|---------|----------------------|
| Acetic acid (VGE)..... | 500     | 2,100                |
| Acetic acid.....       | 30      | 240                  |
| Acetic acid.....       | 0.5     | 0.9                  |
| Acetic acid.....       | 0.15    | 0.15                 |
| Acetic acid.....       | 0.5     | 0.5                  |
| Acetic acid.....       | 0.025   | 0.025                |
| Acetic acid.....       | 1,000   | 1,800                |
| Acetic acid.....       | 15      | 15                   |
| Acetic acid.....       | 15      | 15                   |
| Acetic acid.....       | 0.25    | 1                    |
| Acetic acid.....       | 25      | 5                    |
| Acetic acid.....       | 100     | 100                  |
| Acetic acid.....       | 15      | 15                   |
| Acetic acid.....       | 200     | 610                  |
| Acetic acid.....       | 1,000   | 1,650                |
| Acetic acid.....       | 1,000   | 1,800                |
| Acetic acid.....       | 10      | 35                   |
| Acetic acid.....       | 1,000   | 3,100                |
| Acetic acid.....       | 200     | 260                  |
| Acetic acid.....       | 10      | 12                   |
| Acetic acid.....       | 100     | 475                  |
| Acetic acid.....       | 100     | 465                  |
| Acetic acid.....       | 20      | 80                   |
| Acetic acid.....       | 25      | 80                   |
| Acetic acid.....       | 25      | 120                  |
| Acetic acid.....       | 350     | 1,000                |
| Acetic acid.....       | 500     | 2,000                |
| Acetic acid.....       | 100     | 470                  |
| Acetic acid.....       | 100     | 460                  |
| Acetic acid.....       | 100     | 250                  |
| Acetic acid.....       | 5       | 28                   |
| Acetic acid.....       | 25      | 100                  |
| Acetic acid.....       | 0.02    | 0.05                 |
| Acetic acid.....       | 0.5     | 1                    |
| Acetic acid.....       | 100     | 410                  |
| Acetic acid.....       | 5       | 30                   |
| Acetic acid.....       | 100     | 450                  |
| Acetic acid.....       | 0.02    | 0.2                  |
| Acetic acid.....       | 5       | 5                    |
| Acetic acid.....       | 15      | 15                   |
| Acetic acid.....       | 2       | 9                    |
| Acetic acid.....       | 0.2     | 0.35                 |
| Acetic acid.....       | 20      | 70                   |
| Acetic acid.....       | 100     | 400                  |
| Acetic acid.....       | 10      | 50                   |
| Acetic acid.....       | 0.001   | 0.007                |
| Acetic acid.....       | 1       | 1                    |
| Acetic acid.....       | 0.5     | 0.5                  |
| Acetic acid.....       | 2       | 5                    |
| Acetic acid.....       | 25      | 30                   |
| Acetic acid.....       | 1       | 5                    |
| Acetic acid.....       | 1       | 1                    |
| Acetic acid.....       | 100     | 310                  |
| Acetic acid.....       | 5       | 9                    |
| Acetic acid.....       | 10      | 29                   |
| Acetic acid.....       | 0.2     | 2                    |
| Acetic acid.....       | 100     | 250                  |
| Acetic acid.....       | 25      | 90                   |
| Acetic acid.....       | 25      | 90                   |
| Acetic acid.....       | 5       | 30                   |
| Acetic acid.....       | 0.01    | 0.01                 |
| Acetic acid.....       | 0.05    | 0.05                 |
| Acetic acid.....       | 400     | 1,900                |
| Acetic acid.....       | 0.5     | 0.002                |
| Acetic acid.....       | 1       | 1                    |
| Acetic acid.....       | 0.05    | 0.1                  |
| Acetic acid.....       | 0.1     | 0.2                  |
| Acetic acid.....       | 0.5     | 0.5                  |
| Acetic acid.....       | 0.01    | 0.01                 |
| Acetic acid.....       | 0.05    | 0.05                 |
| Acetic acid.....       | 0.1     | 0.1                  |
| Acetic acid.....       | 200     | 1,150                |
| Acetic acid.....       | 0.15    | 0.15                 |
| Acetic acid.....       | 13      | 13                   |
| Acetic acid.....       | 1,000   | 6,000                |

See footnotes at end of table.

TABLE G-I—Con.

| Substance                                                                  | p.p.m.* | mg./M <sup>3</sup> * |
|----------------------------------------------------------------------------|---------|----------------------|
| Sulfuric acid.....                                                         | 1       | 1                    |
| Sulfur monochloride.....                                                   | 1       | 6                    |
| Sulfur pentachloride.....                                                  | 0.025   | 0.25                 |
| Sulfuryl fluoride.....                                                     | 5       | 20                   |
| Systox, see Demeton @.....                                                 | 10      | 10                   |
| Tantalum.....                                                              | 5       | 5                    |
| TEEP—Skin.....                                                             | 0.2     | 0.2                  |
| Tellurium.....                                                             | 0.1     | 0.1                  |
| Tellurium hexafluoride.....                                                | 0.02    | 0.2                  |
| TEEP—Skin.....                                                             | 0.05    | 0.05                 |
| C Terphenyls.....                                                          | 1       | 9                    |
| 1,1,1,2-Tetrachloro-2,2-difluoroethane.....                                | 500     | 4,170                |
| 1,1,2,2-Tetrachloro-1,2-difluoroethane.....                                | 500     | 4,170                |
| 1,1,2,2-Tetrachloroethane—Skin.....                                        | 5       | 35                   |
| Tetrachloroethylene, see Perchloroethylene.....                            |         |                      |
| Tetrachloroethane, see Carbon tetrachloride.....                           |         |                      |
| Tetrachloronaphthalene—Skin.....                                           | 2       | 2                    |
| Tetraethyl lead (as Pb)—Skin.....                                          | 200     | 590                  |
| Tetrahydrofuran.....                                                       | 200     | 590                  |
| Tetramethyl lead (as Pb)—Skin.....                                         | 0.150   | 0.150                |
| Tetramethyl succinonitrile—Skin.....                                       | 0.5     | 3                    |
| Tetranitromethane.....                                                     | 1       | 8                    |
| Tetryl (2,4,6-trinitrophenyl-methyl)nitramine—Skin.....                    | 1.5     | 1.5                  |
| Thallium (soluble compounds)—Skin as Tl.....                               | 0.1     | 0.1                  |
| Thiram.....                                                                | 5       | 5                    |
| Tin (inorganic cmpds, except SnCl <sub>4</sub> and SnO <sub>2</sub> )..... | 2       | 2                    |
| Tin (organic cmpds).....                                                   | 0.1     | 0.1                  |
| C Toluene-2,4-dithiocyanate.....                                           | 0.02    | 0.14                 |
| O-Toluidine—Skin.....                                                      | 5       | 22                   |
| Toxaphene, see Chlorinated camphene.....                                   |         |                      |
| Tributyl phosphate.....                                                    | 5       | 5                    |
| 1,1,1-Trichloroethane see Methyl chloroform.....                           |         |                      |
| 1,1,2-Trichloroethane—Skin.....                                            | 10      | 45                   |
| Parathion—Skin.....                                                        | 0.1     | 0.1                  |
| Pentaborane.....                                                           | 0.005   | 0.01                 |
| Pentachloronaphthalene—Skin.....                                           | 0.5     | 0.5                  |
| Pentachlorophenol—Skin.....                                                | 0.5     | 0.5                  |
| *Pentane.....                                                              | 500     | 1,500                |
| 2-Pentane.....                                                             | 200     | 700                  |
| Perchloromethyl mercaptan.....                                             | 0.1     | 0.8                  |
| Perchloryl fluoride.....                                                   | 3       | 13.5                 |
| Phenol—Skin.....                                                           | 5       | 19                   |
| p-Phenylene diamine—Skin.....                                              | 0.1     | 0.1                  |
| Phenyl ether (vapor).....                                                  | 1       | 7                    |
| Phenyl ether-biphenyl mixture (vapor).....                                 | 1       | 7                    |
| Phenylethylene, see Styrene.....                                           |         |                      |
| Phenyl glycidyl ether (PGE).....                                           | 10      | 60                   |
| Phenylhydrazine—Skin.....                                                  | 5       | 22                   |
| Phosdrin (Mevinphos @)—Skin.....                                           | 0.1     | 0.1                  |
| Phosgene (carbonyl chloride).....                                          | 0.1     | 0.4                  |
| Phosphine.....                                                             | 0.3     | 0.4                  |
| Phosphoric acid.....                                                       | 1       | 1                    |
| Phosphorus (yellow).....                                                   | 0.1     | 0.1                  |
| Phosphorus pentachloride.....                                              | 1       | 1                    |
| Phosphorus pentasulfide.....                                               | 1       | 1                    |
| Phosphorus trichloride.....                                                | 0.5     | 3                    |
| Phthalic anhydride.....                                                    | 2       | 12                   |
| Picric acid—Skin.....                                                      | 0.1     | 0.1                  |
| Pivalic acid (2-Pivalyl-1,3-indandione).....                               | 0.1     | 0.1                  |
| Platinum (Soluble Salts) as Pt.....                                        | 0.002   | 0.002                |
| Propargyl alcohol—Skin.....                                                | 1       | 1                    |
| n-Propyl acetate.....                                                      | 200     | 840                  |
| Propyl alcohol.....                                                        | 200     | 500                  |
| n-Propyl nitrate.....                                                      | 25      | 110                  |
| Propylene dichloride.....                                                  | 75      | 350                  |
| Propylene imine—Skin.....                                                  | 2       | 5                    |
| Propylene oxide.....                                                       | 100     | 240                  |
| Propyne, see Methylacetylene.....                                          |         |                      |
| Pyrethrum.....                                                             | 5       | 5                    |
| Pyridine.....                                                              | 5       | 15                   |
| Quinone.....                                                               | 0.1     | 0.4                  |
| RDX—Skin.....                                                              | 1.5     | 1.5                  |
| Rhodium, Metal fume and dusts, as Rh.....                                  | 0.1     | 0.1                  |
| Soluble salts.....                                                         | 0.001   | 0.001                |
| Ronnel.....                                                                | 10      | 10                   |
| Rotenone (commercial).....                                                 | 5       | 5                    |
| Selenium compounds (as Se).....                                            | 0.2     | 0.2                  |
| Selenium hexafluoride.....                                                 | 0.05    | 0.4                  |
| Trichloromethane, see Chloroform.....                                      |         |                      |
| Trichloronaphthalene—Skin.....                                             | 5       | 5                    |
| 1,2,3-Trichloropropane.....                                                | 50      | 300                  |
| 1,1,2-Trichloro-1,2,2-trifluoroethane.....                                 | 1,000   | 7,600                |
| Triethylamine.....                                                         | 25      | 100                  |
| Trifluoromonomethylmethane.....                                            | 1,000   | 6,100                |

TABLE G-I—Con.

| Substance                                             | p.p.m.* | mg./M <sup>3</sup> * |
|-------------------------------------------------------|---------|----------------------|
| *Trimethyl benzene.....                               | 25      | 120                  |
| 2,4,6-Trinitrophenol, see Picric acid.....            |         |                      |
| 2,4,6-Trinitrophenylmethyl-nitramine, see Tetryl..... |         |                      |
| Trinitrotoluene—Skin.....                             |         | 1.5                  |
| Triorthocresyl phosphate.....                         |         | 0.1                  |
| Triphenyl phosphate.....                              |         | 3                    |
| Tungsten and compounds, as W.....                     |         |                      |
| Soluble.....                                          |         | 1                    |
| Insoluble.....                                        |         | 5                    |
| Turpentine.....                                       | 100     | 560                  |
| Uranium (natural) sol. and insol. compounds as U..... |         | 0.2                  |
| C Vanadium.....                                       |         | 0.5                  |
| V <sub>2</sub> O <sub>5</sub> dust.....               |         | 0.1                  |
| V <sub>2</sub> O <sub>5</sub> fume.....               |         | 0.1                  |
| Vinyl benzene, see Styrene.....                       |         |                      |
| **C Vinyl chloride.....                               | 500     | 1,300                |
| Vinylcyanide, see Acrylonitrile.....                  |         |                      |
| Vinyl toluene.....                                    | 100     | 480                  |
| Warfarin.....                                         |         | 0.1                  |
| Xylene (xylo).....                                    | 100     | 435                  |
| Xylidine—Skin.....                                    | 5       | 25                   |
| Yttrium.....                                          |         | 1                    |
| Zinc chloride fume.....                               |         | 1                    |
| Zinc oxide fume.....                                  |         | 5                    |
| Zirconium compounds (as Zr).....                      |         | 5                    |

\*1970 Addition.

\* Parts of vapor or gas per million parts of contaminated air by volume at 25° C. and 760 mm. Hg pressure.  
 \* Approximate milligrams of particulate per cubic meter of air.  
 (No footnote "c" is used to avoid confusion with ceiling value notations.)  
 \* An atmospheric concentration of not more than 0.02 p.p.m., or personal protection may be necessary to avoid headache.  
 \* As sampled method that does not collect vapor.  
 / For control of general room air, biologic monitoring is essential for personnel control.

TABLE G-2

|                                                      | 8-hour time weighted average     |
|------------------------------------------------------|----------------------------------|
| Benzene (Z37.4-1969).....                            | 10 p.p.m.                        |
| Beryllium and beryllium compounds (Z37.29-1970)..... | 0.002 mg./M <sup>3</sup> .       |
| Cadmium dust (as Cd) (Z37.5-1970).....               | 0.2 mg./M <sup>3</sup> .         |
| Cadmium fume (as Cd) (Z37.5-1970).....               | 0.1 mg./M <sup>3</sup> .         |
| Carbon disulfide (Z37.3-1968).....                   | 20 p.p.m.                        |
| Carbon tetrachloride (Z37.17-1967).....              | 10 p.p.m.                        |
| Ethylene dibromide (Z37.31-1970).....                | 20 p.p.m.                        |
| Ethylene dichloride (Z37.21-1969).....               | 50 p.p.m.                        |
| Formaldehyde (Z37.16-1967).....                      | 3 p.p.m.                         |
| Hydrogen fluoride (Z37.28-1969).....                 | 3 p.p.m.                         |
| Fluoride as dust (Z37.28-1966).....                  | 2.5 mg./M <sup>3</sup> .         |
| Lead and its inorganic compounds (Z37.11-1969).....  | 0.2 mg./M <sup>3</sup> .         |
| Methyl chloride (Z37.18-1969).....                   | 100 p.p.m.                       |
| Methylene chloride (Z37.23-1969).....                | 500 p.p.m.                       |
| Organo (alkyl) mercury (Z37.30-1969).....            | 0.01 mg./M <sup>3</sup> .        |
| Styrene (Z37.12-1969).....                           | 100 p.p.m.                       |
| Tetrachloroethylene (Z37.22-1967).....               | 100 p.p.m.                       |
| Toluene (Z37.12-1967).....                           | 200 p.p.m.                       |
|                                                      | Acceptable ceiling concentration |
| Hydrogen sulfide (Z37.2-1966).....                   | 20 p.p.m.                        |
| Chromic acid and chromates (Z37.3-1971).....         | 1 mg./10M <sup>3</sup> .         |
| Mercury (Z37.8-1971).....                            | 1 mg./10M <sup>3</sup> .         |

# RULES AND REGULATIONS

10167

## Part G—Occupational Health and Environmental Control

Air contaminants.  
Ventilation.  
Occupational noise exposure.  
Ionizing radiation.  
Additional delay in effective date.  
Sources of standards.  
Standards organizations.

## Part H—Hazardous Materials

Compressed gases—general requirements.  
Acetylene.  
Hydrogen.  
Oxygen.  
Nitrous oxide.  
Flammable and combustible liquids.  
Spray finishing using flammable and combustible materials.  
Dip tanks containing flammable or combustible liquids.  
Explosives and blasting agents.  
Storage and handling of liquified petroleum gases.  
Storage and handling of anhydrous ammonia.  
[Reserved].  
[Reserved].  
Additional delay in effective date.  
Sources of standards.  
Standards organizations.

## Part I—Personal Protective Equipment

General requirements.  
Eye and face protection.  
Respiratory protection.  
Occupational head protection.  
Occupational foot protection.  
Electrical protective devices.  
Additional delay in effective date.  
Sources of standards.  
Standards organizations.

## Part J—General Environmental Controls

Aspiration.  
Temporary labor camps.  
Motor water carriage disposal systems.  
Safety color code for marking physical hazards.  
Specifications for accident prevention signs and tags.  
[Reserved].  
Sources of standards.  
Standards organizations.

## Part K—Medical and First Aid

Medical services and first aid.  
[Reserved].  
Sources of standards.

## Part L—Fire Protection

Definitions applicable to this subpart.

## Portable Fire Suppression Equipment

Portable fire extinguishers.  
Standpipe and hose systems.

## Fixed Fire Suppression Equipment

Automatic sprinkler systems.  
Fixed dry chemical extinguishing systems.  
Carbon dioxide extinguishing systems.  
[Reserved].

## Other Fire Protection Systems

Local fire alarm signaling systems.  
[Reserved].  
Additional delay in effective date.

Sec.

1910.165a Sources of standards.  
1910.165b Standards organizations.

## Subpart M—Compressed Gas and Compressed Air Equipment

1910.166 Inspection of compressed gas cylinders.  
1910.167 Safety relief devices for compressed gas cylinders.  
1910.168 Safety relief devices for cargo and portable tanks storing compressed gases.  
1910.169 Air receivers.  
1910.170 Sources of standards.  
1910.171 Standards organizations.

## Subpart N—Materials Handling and Storage

1910.176 Handling materials—general.  
1910.177 Indoor general storage.  
1910.178 Powered industrial trucks.  
1910.179 Overhead and gantry cranes.  
1910.180 Crawler, locomotive, and truck cranes.  
1910.181 Derricks.  
1910.182 Additional delay in effective date.  
1910.183 Sources of standards.  
1910.184 Standards organizations.

## Subpart O—Machinery and Machine Guarding

1910.211 Definitions.  
1910.212 General requirements for all machines.  
1910.213 Woodworking machinery requirements.  
1910.214 Cooperage machinery.  
1910.215 Abrasive wheel machinery.  
1910.216 Mills and calenders in the rubber and plastics industries.  
1910.217 Mechanical power presses.  
1910.218 Forging machines.  
1910.219 Mechanical power-transmission apparatus.  
1910.220 Additional delay in effective date.  
1910.221 Sources of standards.  
1910.222 Standards organizations.

## Subpart P—Hand and Portable Powered Tools and Other Hand-Held Equipment

1910.241 Definitions.  
1910.242 Hand and portable powered tools and equipment, general.  
1910.243 Guarding of portable powered tools.  
1910.244 Other portable tools and equipment.  
1910.245 Additional delay in effective date.  
1910.246 Sources of standards.  
1910.247 Standards organizations.

## Subpart Q—Welding, Cutting and Brazing

1910.251 Definitions.  
1910.252 Welding, cutting and brazing.  
1910.253 Sources of standards.  
1910.254 Standards organizations.

## Subpart R—Special Industries

1910.261 Pulp, paper, and paperboard mills.  
1910.262 Textiles.  
1910.263 Bakery equipment.  
1910.264 Laundry machinery and operations.  
1910.265 Sawmills.  
1910.266 Pulpwood logging.  
1910.267 Agricultural operations.  
1910.268 Sources of standards.  
1910.269 Standards organizations.

## Subpart S—Electrical

1910.308 Application (NFPA 70-1968 Article 90).  
1910.309 National Electrical Code NFPA 70-1968.  
1910.310 General (NFPA 70-1968 Article 110).  
1910.311 [Reserved].  
1910.312 Overcurrent protection (NFPA 70-1968 Article 240).  
1910.313 [Reserved].

Sec.

1910.314 Grounding (NFPA 70-1968 Article 250).  
1910.315 Outlets, switch, and junction boxes, and fittings (NFPA 70-1968 Article 370).  
1910.316 Flexible cords and cables (NFPA 70-1968 Article 400).  
1910.317 [Reserved].  
1910.318 Transformers (NFPA 70-1968 Article 450).  
1910.319 [Reserved].  
1910.320 Appliances (NFPA 70-1968 Article 422).  
1910.321 [Reserved].  
1910.322 Hazardous locations, general (NFPA 70-1968 Article 500).  
1910.323 [Reserved].  
1910.324 Hazardous locations, Class I installations (NFPA 70-1968 Article 501).  
1910.325 [Reserved].  
1910.326 Hazardous locations, Class II installations (NFPA 70-1968 Article 502).  
1910.327 [Reserved].  
1910.328 Hazardous locations, Class III installations (NFPA 70-1968 Article 503).  
1910.329 Additional delay in effective date.  
1910.330 Sources of standards.  
1910.331 Standards organizations.

AUTHORITY: The provisions of this Part 1910 issued under secs. 6(a), 8(g), 84 Stat. 1593, 1598; 29 U.S.C. 655, 657.

## Subpart A—General

### § 1910.1 Purpose and scope.

(a) Section 6(a) of the Williams-Steiger Occupational Safety and Health Act of 1970 (84 Stat. 1593) provides that "without regard to chapter 5 of title 5, United States Code, or to the other subsections of this section, the Secretary shall, as soon as practicable during the period beginning with the effective date of this Act and ending 2 years after such date, by rule promulgate as an occupational safety or health standard any national consensus standard, and any established Federal standard, unless he determines that the promulgation of such a standard would not result in improved safety or health for specifically designated employees." The legislative purpose of this provision is to establish, as rapidly as possible and without regard to the rule-making provisions of the Administrative Procedure Act, standards with which industries are generally familiar, and on whose adoption interested and affected persons have already had an opportunity to express their views. Such standards are either (1) national consensus standards on whose adoption affected persons have reached substantial agreement, or (2) Federal standards already established by Federal statutes or regulations.

(b) This part carries out the directive to the Secretary of Labor under section 6(a) of the Act. It contains occupational safety and health standards which have been found to be national consensus standards or established Federal standards.

### § 1910.2 Definitions.

As used in this part, unless the context clearly requires otherwise:

(a) "Act" means the Williams-Steiger Occupational Safety and Health Act of 1970 (84 Stat. 1590).