

§ 171.7

49 CFR Ch. I (10–1–23 Edition)

Current OMB control No.	Title	Title 49 CFR part or section where identified and described
2137–0557	Approvals for Hazardous Materials	§§ 107.402, 107.403, 107.405, 107.502, 107.503, 107.705, 107.713, 107.715, 107.717, 107.803, 107.805, 107.807, 110.30, 172.101, 172.102, Special Provisions 19, 26, 53, 55, 60, 105, 118, 121, 125, 129, 131, 133, 136, B45, B55, B61, B69, B77, B81, N10, N72, 173.2a, 173.4, 173.7, 173.21, 173.22, 173.24, 173.31, 173.38, 173.51, 173.56, 173.58, 173.59, 173.124, 173.128, 173.159, 173.166, 173.171, 173.214, 173.222, 173.224, 173.225, 173.245, 173.301, 173.305, 173.306, 173.314, 173.315, 173.316, 173.318, 173.334, 173.340, 173.411, 173.433, 173.457, 173.471, 173.472, 173.476, 174.50, 174.63, 175.8, 175.85, 175.701, 175.703, 176.168, 176.340, 176.704, 178.3, 178.35, 178.47, 178.53, 178.273, 178.274, 178.503, 178.509, 178.605, 178.606, 178.608, 178.801, 178.813, 180.213.
2137–0559	(Rail Carriers and Tank Car Tank Requirements) Requirements for Rail Tank Car Tanks—Transportation of Hazardous Materials by Rail..	§§ 172.102, Special provisions: B45, B46, B55, B61, B69, B77, B78, B81; 173.10, 173.31, 174.20, 174.50, 174.63, 174.104, 174.114, 174.204, 179.3, 179.4, 179.5, 179.6, 179.7, 179.11, 179.18, 179.22, 179.100–9, 179.100–12, 179.100–13, 179.100–16, 179.100–17, 179.102–4, 179.102–17, 179.103–1, 179.103–2, 179.103–3, 179.103–5, 179.200–10, 179.200–14, 179.200–15, 179.200–16, 179.200–17, 179.200–19, 179.201–3, 179.201–8, 179.201–9, 179.220–4, 179.220–7, 179.220–8, 179.220–13, 179.220–15, 179.220–17, 179.220–18, 179.220–20, 179.220–22, 179.300–3, 179.300–7, 179.300–9, 179.300–12, 179.300–13, 179.300–15, 179.300–20, 179.400–3, 179.400–4, 179.400–11, 179.400–13, 179.400–16, 179.400–17, 179.400–19, 179.400–20, 179.500–5, 179.500–8, 179.500–12, 179.500–18, 180.505, 180.509, 180.515, 180.517.
2137–0572	Testing requirements for non-bulk packages	§§ 173.168, 178.2, 178.601, appendix C to part 178, appendix D to part 178.
2137–0582	Container Certification Statement	§§ 176.27, 176.172.
2137–0586	Hazardous Materials Public Sector Training and Planning Grants.	Part 110.
2137–0591	Response Plans for Shipments of Oil	Part 130.
2137–0595	Cargo Tank Motor Vehicles in Liquefied Compressed Gas Service.	§§ 173.315, 178.337–8, 178.337–9, 180.405, 180.416.
2137–0612	Hazardous Materials Security Plans	Part 172, subpart I, §§ 172.800, 172.802, 172.804.
2137–0613	Subsidiary Hazard Class and Number/Type of Packagings.	§§ 172.202, 172.203
2137–0620	Inspection and Testing of Meter Provers	Part 173, subpart A, § 173.5a.
2137–0621	Requirements for United Nations (UN) Cylinders	§§ 173.301, 173.304, 173.304b, 178.69, 178.70, 178.74, 178.75, 180.207, 180.209, 180.212, 180.215, 180.217.
2137–0628	Flammable Hazardous Materials by Rail Transportation.	§§ 130.120, 171.16, 173.41, 173.145, 173.150, 174.310, 174.312.

[Amdt. 171–111, 56 FR 66157, Dec. 20, 1991]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 171.6, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.govinfo.gov.

§ 171.7 Reference material.

(a) Certain material is incorporated by reference into subchapters A, B, and C with the approval of the Director of

the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. To enforce any edition other than that

specified in this section, PHMSA must publish a document in the FEDERAL REGISTER and the material must be available to the public. All approved incorporation by reference (IBR) material is available for inspection at PHMSA and at the National Archives and Records Administration (NARA). Contact PHMSA at: The Office of Hazardous Materials Safety, Office of Hazardous Materials Standards, East Building, PHH-10, 1200 New Jersey Avenue SE, Washington, DC 20590-0001. For information on the availability of this material at PHH-10, call 1-800-467-4922, or go to: www.phmsa.dot.gov. For information on the availability of this material at NARA, email: fr.inspection@nara.gov, or go to: www.archives.gov/federal-register/cfr/ibr-locations.html. The material may be obtained from the source(s) in the following paragraph(s) of this section.

(b) *Air Transport Association of America*, 1301 Pennsylvania Avenue NW., Washington, DC 20004-1707.

(1) ATA Specification No. 300 Packaging of Airline Supplies, Revision 19, July 31, 1996, into §§ 172.102, 173.168, 173.302, and 173.304.

(2) [Reserved]

(c) *The Aluminum Association*, 1525 Wilson Blvd., Suite 6000, Arlington, VA 22209, telephone 703-358-2960, <http://www.aluminum.org>.

(1) Aluminum Standards and Data, Seventh Edition, June 1982, into §§ 172.102; 178.65.

(2) Welding Aluminum: Theory and Practice, 2002 Fourth Edition, into § 178.68.

(d) *American National Standards Institute, Inc.*, 25 West 43rd Street, New York, NY 10036.

(1) ANSI/ASHRAE 15-94, Safety Code for Mechanical Refrigeration, 1944, into §§ 173.306; 173.307.

(2) ANSI N14.1 Uranium Hexafluoride—Packaging for Transport, 1971 Edition, into §§ 173.417; 173.420.

(3) ANSI N14.1 Uranium Hexafluoride—Packaging for Transport, 1982 Edition, into §§ 173.417; 173.420.

(4) ANSI N14.1 Uranium Hexafluoride—Packaging for Transport, 1987 Edition, into §§ 173.417; 173.420.

(5) ANSI N14.1 Uranium Hexafluoride—Packaging for Transport, 1990 Edition, into §§ 173.417; 173.420.

(6) ANSI N14.1 Uranium Hexafluoride—Packaging for Transport, 1995 Edition, into §§ 173.417; 173.420.

(7) ANSI N14.1 Uranium Hexafluoride—Packaging for Transport, 2001 Edition, into §§ 173.417; 173.420.

(e) *American Petroleum Institute*, 1220 L Street NW., Washington, DC 20005-4070.

(1) API Recommended Practice Closures of Underground Petroleum Storage Tanks, 3rd Edition, March 1996, into § 172.102.

(2) [Reserved]

(f) *American Pyrotechnics Association* (APA), P.O. Box 30438, Bethesda, MD 20824, (301) 907-8181, www.americanpyro.com.

(1) APA 87-1A: Standard for the Construction, Classification, Approval and Transportation of Consumer Fireworks, final draft January 1, 2018 (excluding appendices II through VI), into §§ 107.402(d); 173.59; 173.64; and 173.65.

(2) APA 87-1B: Standard for the Construction, Classification, Approval, and Transportation of Display Fireworks, final draft January 1, 2018 (excluding appendices II through IV), into § 173.64.

(3) APA 87-1C: Standard for the Construction, Classification, Approval, and Transportation of Entertainment Industry and Technical (EI&T) Pyrotechnics, final draft January 1, 2018 (excluding appendices II through IV), into § 173.64.

(g) *The American Society of Mechanical Engineers* (ASME), 150 Clove Road, Little Falls, NJ 07424-2139, telephone: 1-800-843-2763, <http://www.asme.org>.

(1) ASME Boiler and Pressure Vessel Code (ASME Code), 2017 Edition, July 1, 2017 (as follows), into §§ 172.102; 173.3; 173.5b; 173.24b; 173.306; 173.315; 173.318; 173.420; 178.255-1; 178.255-2; 178.255-14; 178.255-15; 178.273; 178.274; 178.276; 178.277; 178.320; 178.337-1; 178.337-2; 178.337-3; 178.337-4; 178.337-6; 178.337-16; 178.337-18; 178.338-1; 178.338-2; 178.338-3; 178.338-4; 178.338-5; 178.338-6; 178.338-13; 178.338-16; 178.338-18; 178.338-19; 178.345-1; 178.345-2; 178.345-3; 178.345-4; 178.345-7;

178.345–14; 178.345–15; 178.346–1; 178.347–1; 178.348–1; 179.400–3; 180.407;

(i) ASME BPVC.II.A–2017 (vols. 1 and 2), Section II—Materials—Part A—Ferrous Materials Specifications.

(ii) ASME BPVC.II.B–2017, Section II—Materials—Part B—Nonferrous Material Specifications.

(iii) ASME BPVC.V–2017, Section V—Nondestructive Examination.

(iv) ASME BPVC.VIII.1–2017, Section VIII—Rules for Construction of Pressure Vessels Division 1.

(v) ASME BPVC.IX–2017, Section IX—Qualification Standard for Welding, Brazing, and Fusing Procedures; Welders; Brazers; and Welding, Brazing, and Fusing Operators.

NOTE 1 TO PARAGRAPH (g)(1): The requirement for a 6% knuckle radius on torispherical heads are excepted.

(2) ASME B31.4–2012, Pipeline Transportation Systems for Liquids and Slurries, November 12, 2012, into § 173.5a.

(h) *ASTM International*, 100 Barr Harbor Drive, West Conshohocken, PA 1942, telephone (610) 832–9585, <http://www.astm.org>. Copies of historical standards or standards that ASTM does not have may be purchased from: Engineering Societies Library, 354 East 47th Street, New York, NY 10017.

(1) ASTM A 20/A 20M–93a Standard Specification for General Requirements for Steel Plates for Pressure Vessels, 1993, into §§ 178.337–2; 179.102–4; 179.102–1; 179.102–17.

(2) ASTM A 47–68 Malleable Iron Castings, 1968, into § 179.200–15.

(3) ASTM A 53/A 53M–06a (ASTM A 53) Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless, 2006, into § 173.5b.

(4) ASTM A 106/A 106M–06a (ASTM A 106) Standard Specification for Seamless Carbon Steel Pipe for High-Temperature Service, 2006, into § 173.5b.

(5) ASTM A 240/A 240M–99b Standard Specification for Heat-Resisting Chromium and Chromium-Nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels, 1999, into §§ 178.57; 178.358–5; 179.100–7; 179.100–10; 179.102–1; 179.102–4; 179.102–17; 179.200–7; 179.201–5; 179.220–7; 179.300–7; 179.400–5.

(6) ASTM A 242–81 Standard Specification for High-Strength Low-Alloy Structural Steel, 1981, into § 178.338–2.

(7) ASTM A 262–93a Standard Practices for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels, 1993, into 179.100–7; 179.200–7; 179.201–4.

(8) ASTM A 285–78 Pressure Vessel Plates, Carbon Steel, Low- and Intermediate-Tensile Strength, 1978, into § 179.300–7.

(9) ASTM A 300–58 Steel Plates for Pressure Vessels for Service at Low Temperatures, 1958, into § 178.337–2.

(10) ASTM A 302/A 302M–93 Standard Specification for Pressure Vessel Plates, Alloy Steel, Manganese-Molybdenum and Manganese-Molybdenum Nickel, 1993, into § 179.100–7; 179.200–7; 179.220–7.

(11) ASTM A 333–67 Seamless and Welded Steel Pipe for Low-Temperature Service, 1967, into § 178.45.

(12) ASTM A 370–94 Standard Test Methods and Definitions for Mechanical Testing of Steel Products, 1994, into §§ 179.102–17; 179.102–1; 179.102–4.

(13) ASTM A 441–81 Standard Specification for High-Strength Low-Alloy Structural Manganese Vanadium Steel, 1981, into § 178.338–2.

(14) ASTM A 514–81 Standard Specification for High-Yield Strength Quenched and Tempered Alloy Steel Plate, Suitable for Welding, 1981, into § 178.338–2.

(15) ASTM A 515/A 515M–03 Standard Specification for Pressure Vessel Plates, Carbon Steel, for Intermediate- and Higher-Temperature Service, 2003, into § 179.300–7.

(16) ASTM A 516/A 516M–90 Standard Specification for Pressure Vessel Plates, Carbon Steel, for Moderate and Lower-Temperature Service, 1990, into § 178.337–2; 179.100–7; 179.102–1; 179.102–2; 179.102–4; 179.102–17; 179.200–7; 179.220–7; 179.300–7.

(17) ASTM A 537/A 537M–91 Standard Specification for Pressure Vessel Plates, Heat-Treated, Carbon-Manganese-Silicon Steel, 1991, into § 179.100–7; 179.102–4; 179.102–17.

(18) ASTM A 572–82 Standard Specification for High-Strength Low-Alloy Columbium-Vanadium Steels of Structural Quality, 1982, into § 178.338–2.

(19) ASTM A 588–81 Standard Specification for High-Strength Low-Alloy Structural Steel with 50 Ksi Minimum

Yield Point to 4 in. Thick, 1981, into § 178.338-2.

(20) ASTM A 606-75 Standard Specification for Steel Sheet and Strip Hot-Rolled and Cold-Rolled, High-Strength, Low-Alloy, with Improved Atmospheric Corrosion Resistance, 1975 (Reapproved 1981), into § 178.338-2.

(21) ASTM A 607-98 Standard Specification for Steel, Sheet and Strip, High-Strength, Low-Alloy, Columbium or Vanadium, or Both, Hot-Rolled and Cold-Rolled, 1998, into § 178.338-2.

(22) ASTM A 612-72a High Strength Steel Plates for Pressure Vessels for Moderate and Lower Temperature Service, 1972, into § 178.337-2.

(23) ASTM A 633-79a Standard Specification for Normalized High-Strength Low-Alloy Structural Steel, 1979 Edition, into § 178.338-2.

(24) ASTM A 715-81 Standard Specification for Steel Sheet and Strip, Hot-Rolled, High-Strength, Low-Alloy with Improved Formability, 1981, into § 178.338-2.

(25) ASTM A 1008/A 1008M-03 Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy and High Strength Low-Alloy with Improved Formability, 2003, into § 178.338-2; 178.345-2.

(26) ASTM A 1011/A 1011M-03a Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low Alloy and High Strength Low-Alloy with Improved Formability, 2003, into § 178.338-2; 178.345-2.

(27) ASTM B 162-93a Standard Specification for Nickel Plate, Sheet, and Strip, 1993, into § 173.249; 179.200-7.

(28) ASTM B 209-93 Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate, 1993, into § 179.100-7; 179.200-7; 179.220-7.

(29) ASTM B 221-76 Aluminum Alloy Extruded Bars, Rods, Shapes, and Tubes, 1976, into § 178.46.

(30) ASTM B 557-84 Tension Testing Wrought and Cast Aluminum and Magnesium-Alloy Products, 1984, into § 178.46.

(31) ASTM B 580-79 Standard Specification for Anodic Oxide Coatings on Aluminum, (Re-approved 2000), into § 173.316; 173.318; 178.338-17.

(32) ASTM D 56-05, Standard Test Method for Flash Point by Tag Closed

Cup Tester, approved May 1, 2005, into § 173.120.

(33) ASTM D 86-07a, Standard Test Method for Distillation of Petroleum Products at Atmospheric Pressure, approved April 1, 2007, into § 173.121.

(34) ASTM D 93-08, Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester, approved October 15, 2008, into § 173.120.

(35) ASTM D 1078-05, Standard Test Method for Distillation Range of Volatile Organic Liquids, approved May 15, 2005, into § 173.121.

(36) ASTM D 1238-90b Standard Test Method for Flow Rates of Thermoplastics for Extrusion Plastometer, 1990, into § 173.225.

(37) ASTM D 1709-01 Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method, 2001, into § 173.197.

(38) ASTM D 1835-97 Standard Specification for Liquefied Petroleum (LP) Gases, 1997, into § 180.209.

(39) ASTM D 1838-64 Copper Strip Corrosion by Liquefied Petroleum (LP) Gases, 1964, into § 173.315.

(40) ASTM D 1922-00a Standard Test Method for Propagation Tear Resistance of Plastic Film and Thin Sheet by Pendulum Method, 2000, into § 173.197.

(41) ASTM D 3278-96 (Reapproved 2004) E1, Standard Test Methods for Flash Point of Liquids by Small Scale Closed-Cup Apparatus, approved November 1, 2004, into § 173.120.

(42) ASTM D 3828-07a, Standard Test Methods for Flash Point by Small Scale Closed Cup Tester, approved July 15, 2007, § 173.120.

(43) ASTM D 4206-96 Standard Test Method for Sustained Burning of Liquid Mixtures Using the Small Scale Open-Cup Apparatus, 1996, into § 173.120.

(44) ASTM D 4359-90 Standard Test Method for Determining Whether a Material is a Liquid or a Solid, 1990 into §§ 130.5, 171.8.

(45) ASTM D7900-13^{e1}, Standard Test Method for Determination of Light Hydrocarbons in Stabilized Crude Oils by Gas Chromatography, Approved December 1, 2013, into § 173.121.

(46) ASTM E 8-99 Standard Test Methods for Tension Testing of Metallic Materials, 1999, into § 178.36; 178.37; 178.38; 178.39; 178.44; 178.45; 178.50; 178.51;

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178.53; 178.55; 178.56; 178.57; 178.58; 178.59; 178.60; 178.61; 178.68.

(47) ASTM E 23-98 Standard Test Methods for Notched Bar Impact Testing of Metallic Materials, 1998, into § 178.57.

(48) ASTM E 112-88 Standard Test Methods for Determining Average Grain Size, 1988, into § 178.44.

(49) ASTM E 112-96 Standard Test Methods for Determining Average Grain Size, 1996 Edition, into § 178.274; part 178, appendix A.

(50) ASTM E 114-95 Standard Practice for Ultrasonic Pulse-Echo Straight-Beam Examination by the Contact Method, 1995, into § 178.45.

(51) ASTM E 213-98 Standard Practice for Ultrasonic Examination of Metal Pipe and Tubing, into § 178.45.

(52) ASTM E 290-97a Standard Test Methods for Bend Testing of Material for Ductility, published February 1998, into § 178.37.

(i) [Reserved]

(j) *American Welding Society*, 550 NW. Le Jeune Road, Miami, Florida 33126.

(1) AWS Code B 3.0; Standard Qualification Procedure; 1972 (FRB 3.0-41, rev. May 1973), into §§ 178.356-2, 178.358-2.

(2) AWS Code D 1.0; Code for Welding in Building Construction (FR D 1.0-66, 1966), into §§ 178.356-2; 178.358-2.

(k) *Association of American Railroads*, American Railroads Building, 50 F Street NW., Washington, DC 20001; telephone (877) 999-8824, <http://www.aar.org/publications.com>.

(1) AAR Manual of Standards and Recommended Practices, Section C—Part III, Specifications for Tank Cars, Specification M-1002, (AAR Specifications for Tank Cars), December 2000, §§ 173.31; 179.6; 179.7; 179.15; 179.16; 179.20; 179.22; 179.24; 179.100-9; 179.100-10; 179.100-12; 179.100-13; 179.100-14; 179.100-18; 179.101-1; 179.102-1; 179.102-4; 179.102-17; 179.103-5; 179.200-7; 179.200-9; 179.200-10; 179.200-11; 179.200-13; 179.200-17; 179.200-22; 179.201-6; 179.220-6; 179.220-7; 179.220-10; 179.220-11; 179.220-14; 179.220-18; 179.220-26; 179.300-9; 179.300-10; 179.300-15; 179.300-17; 179.400-5; 179.400-6; 179.400-8; 179.400-11; 179.400-12; 179.400-15; 179.400-18; 179.400-20; 179.400-25; 180.503; 180.509; 180.513; 180.515; 180.517.

(2) AAR Manual of Standards and Recommended Practices, Section C—

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III, Specifications for Tank Cars, Specification M-1002 (AAR Specifications for Tank Cars), Appendix E, Design Details, implemented April 2010; into §§ 179.202-9, and 179.202-12(f).

(3) AAR Manual of Standards and Recommended Practices, Section I, Specially Equipped Freight Car and Intermodal Equipment, 1988, into § 174.55; 174.63.

(4) AAR Specifications for Design, Fabrication and Construction of Freight Cars, Volume 1, 1988, into § 179.16.

(5) AAR Standard 286; AAR Manual of Standards and Recommended Practices, Section C, Car Construction Fundamentals and Details, Standard S-286, Free/Unrestricted Interchange for 286,000 lb Gross Rail Load Cars (Adopted 2002; Revised: 2003, 2005, 2006), into 179.13.

(1) *Chlorine Institute, Inc.*, 1300 Wilson Boulevard, Arlington, VA 22209.

(1) Chlorine Institute Emergency Kit “A” for 100-lb. & 150-lb. Chlorine Cylinders, Edition 12, Revision 2, January 2014, into § 173.3.

(2) Chlorine Institute Emergency Kit “B” for Chlorine Ton Containers, Edition 11, July 2014, into § 173.3.

(3) Type 1 JQ 225, Dwg., H51970, Revision F, November 1996, into § 173.315.

(4) Type 1 JQ 225, Dwg. H50155, Revision H, November 1996, into § 173.315.

(5) Pamphlet 57, Emergency Shut-Off Systems for Bulk Transfer of Chlorine, Edition 6, June 2015, into § 177.840.

(6) Section 3, Pamphlet 166, Angle Valve Guidelines for Chlorine Bulk Transportation, 1st Edition, October 2002, into § 178.337-9.

(7) Pamphlet 168, Guidelines for Dual Valve Systems for Bulk Chlorine Transport, Edition 2, July 2015, into § 178.337-9.

(8) Standard Chlorine Angle Valve Assembly, Dwg. 104-8, July 1993, into § 178.337-9.

(9) Excess Flow Valve with Removable Seat, Dwg. 101-7, July 1993, into § 178.337-8.

(10) Excess Flow Valve with Removable Basket, Dwg. 106-6, July 1993, into § 178.337-8.

(11) Standards for Housing and Manway Covers for Steel Cargo Tanks, Dwg. 137-1 and 137-2, September 1, 1982, into § 178.337-10.

(12) Typical Manway Arrangement Chlorine Cargo Tank, Dwg 137-5, November 1996, into 178.337-10.

(m) *Canadian General Standards Board*, Place du Portage III, 6B1 11 Laurier Street, Gatineau, Quebec, Canada K1A 1G6.

(1) National Standard of Canada (CAN/CGSB 43.147—2005) Construction, Modification, Qualification, Maintenance, and Selection and Use of Means of Containment for the Handling, Offering for Transport, or Transportation of Dangerous Goods by Rail, into § 171.12.

(2) [Reserved]

(n) *Compressed Gas Association (CGA)*, 8484 Westpark Drive, Suite 220, McLean, VA 22102.

(1) CGA C-1—2016, Methods for Pressure Testing Compressed Gas Cylinders, Eleventh edition, copyright 2016, into §§ 178.36, 178.37, 178.38, 178.39, 178.42, 178.44, 178.45, 178.46, 178.47; 178.50; 178.51; 178.53; 178.55; 178.56; 178.57; 178.58; 178.59; 178.60; 178.61; 178.65; 178.68; 180.205, 180.209.

(2) CGA C-3—2005 (Reaffirmed 2011), Standards for Welding on Thin-Walled Steel Cylinders, Seventh edition, copyright 2005, into §§ 178.47; 178.50; 178.51; 178.53; 178.55; 178.56; 178.57; 178.58; 178.59; 178.60; 178.61; 178.65; 178.68; 180.211.

(3) CGA C-5, Cylinder Service Life—Seamless Steel High Pressure Cylinders, 1991 (reaffirmed 1995), into § 173.302a.

(4) CGA C-6—2013, Standards for Visual Inspection of Steel Compressed Gas Cylinders, Eleventh edition, copyright 2013, into §§ 172.102, 173.3, 173.198, 180.205, 180.209, 180.211, 180.411, 180.519.

(5) CGA C-6.1—2013, Standards for Visual Inspection of High Pressure Aluminum Compressed Gas Cylinders, Sixth Edition, copyright 2013 (corrected 4/14/2015), into §§ 180.205; 180.209.

(6) CGA Pamphlet C-6.2, Guidelines for Visual Inspection and Requalification of Fiber Reinforced High Pressure Cylinders, 1996, Third Edition, into § 180.205.

(7) CGA C-6.3—2013, Standard for Visual Inspection of Low Pressure Aluminum Alloy Compressed Gas Cylinders, Third Edition, copyright 2013, into §§ 180.205; 180.209.

(8) CGA C-7—2014, Guide to Classification and Labeling of Compressed Gases,

Tenth Edition, copyright 2014, into § 172.400a.

(9) CGA Pamphlet C-8, Standard for Requalification of DOT-3HT Cylinder Design, 1985, into § 180.205; 180.209.

(10) CGA C-11—2013, Practices for Inspection of Compressed Gas Cylinders at Time of Manufacture, Fifth Edition, copyright 2013, into § 178.35.

(11) CGA Pamphlet C-12, Qualification Procedure for Acetylene Cylinder Design, 1994, into § 173.301; 173.303; 178.59; 178.60.

(12) CGA Pamphlet C-13, Guidelines for Periodic Visual Inspection and Requalification of Acetylene Cylinders, 2000, Fourth Edition, into § 173.303; 180.205; 180.209.

(13) CGA C-14—2005 (Reaffirmed 2010), Procedures for Fire Testing of DOT Cylinder Pressure Relief Device Systems, Fourth edition, copyright 2005, into §§ 173.301; 173.323.

(14) CGA G-1.6-2011, Standard for Mobile Acetylene Trailer Systems, Seventh Edition, copyright 2011, into § 173.301.

(15) CGA Pamphlet G-2.2, Guideline Method for Determining Minimum of 0.2% Water in Anhydrous Ammonia, 1985, Second Edition, Reaffirmed 1997, into § 173.315.

(16) CGA Pamphlet G-4.1, Cleaning Equipment for Oxygen Service, 1985, into § 178.338-15.

(17) CGA Pamphlet P-20, Standard for the Classification of Toxic Gas Mixtures, 2003, Third Edition, into § 173.115.

(18) CGA S-1.1—2011, Pressure Relief Device Standards—Part 1—Cylinders for Compressed Gases, Fourteenth edition, copyright 2011, into §§ 173.301; 173.304a; 178.75.

(19) CGA Pamphlet S-1.2, Safety Relief Device Standards Part 2—Cargo and Portable Tanks for Compressed Gases, 1980, into § 173.315; 173.318; 178.276; 178.277.

(20) CGA S-7—2013, Standard for Selecting Pressure Relief Devices for Compressed Gas Mixtures in Cylinders, Fifth Edition, copyright 2013, into § 173.301.

(21) CGA Technical Bulletin TB-2, Guidelines for Inspection and Repair of MC-330 and MC-331 Cargo Tanks, 1980, into § 180.407; 180.413.

(22) CGA Technical Bulletin TB-25, Design Considerations for Tube Trailers, 2008 Edition, into §173.301.

(23) CGA V-9-2012, Compressed Gas Association Standard for Compressed Cylinder Valves, Seventh Edition, 2012, into §173.301.

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(5) ISO 1523:2002(E), Determination of flash point—Closed cup equilibrium method, Third Edition, 2002-03-01, into § 173.120.

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(30) ISO 9809-1:1999(E): Gas cylinders—Refillable seamless steel gas cylinders—Design, construction and testing—Part 1: Quenched and tempered steel cylinders with tensile strength less than 1100 MPa., First edition, June 1999, into §§178.37; 178.71; 178.75.

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(40) ISO 10297:2006(E), Transportable gas cylinders—Cylinder valves—Specification and type testing, Second Edition, 2006-01-15; into §§173.301b; 178.71.

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(50) ISO 11117:2008(E): Gas cylinders—Valve protection caps and valve guards—Design, construction and tests, Second edition, 2008-09-01; into § 173.301b.

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(71) ISO 14246:2014/Amd 1:2017(E), Gas cylinders—Cylinder valves—Manufacturing tests and examinations—Amendment 1, Second Edition, 2017–06; into § 178.71.

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(2) NFPA 498-Standards for Safe Havens and Interchange Lots for Vehicles Transporting Explosives, 2010 Edition, into § 177.835.

(z) *National Institute of Standards and Technology*, Department of Commerce,

5285 Port Royal Road, Springfield, VA 22151.

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(2) [Reserved]

(aa) *Organization for Economic Co-operation and Development (OECD)*, OECD Publications and Information Center, 2001 L Street NW, Suite 700, Washington, DC 20036; (+33 1 45 24 82 00, <https://www.oecd.org/>).

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(2) Test No. 430: In Vitro Skin Corrosion: Transcutaneous Electrical Resistance Test (TER), OECD Guidelines for the Testing of Chemicals, adopted 28 July 2015, into § 173.137.

(3) OECD Guideline for the Testing of Chemicals 431 (Test No. 431): In vitro skin corrosion: reconstructed human epidermis (RHE) test method, adopted 29 July 2016; into § 173.137.

(4) Test No. 435: In Vitro Membrane Barrier Test Method for Skin Corrosion, OECD Guidelines for the Testing of Chemicals, adopted 28 July 2015, into § 173.137.

(bb) *Transport Canada*, Transport Dangerous Goods, Mailstop: ASD 330 Sparks Street, Ottawa, Ontario, Canada K1A 0N5, 416-973-1868, <http://www.tc.gc.ca>.

(1) Transportation of Dangerous Goods Regulations (Transport Canada TDG Regulations), into §§ 107.801; 107.805; 171.12; 171.22; 171.23; 172.401; 172.407; 172.502; 172.519; 172.602; 173.31; 173.32; 173.33; 173.301; 180.205; 180.211; 180.212; 180.413.

(i) SOR 2001-286, including Clear Language Amendments, August 2001.

(ii) SOR/2002-306 August 8, 2002.

(iii) SOR/2003-273 July 24, 2003

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(v) SOR/2005-216 July 13, 2005

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(vii) SOR/2008-34 February 7, 2008

(viii) SOR/2007-179 July 31, 2007

(ix) SOR/2011-239 November 9, 2011.

(x) SOR/2011-60 March 16, 2011.

(xi) SOR/2011-210 October 12, 2011.

(xii) SOR/2012-245 December 5, 2012.

(xiii) SOR/2014-152 July 2, 2014.

(xiv) SOR/2014-159 July 2, 2014.

(xv) SOR/2014-159 Erratum July 16, 2014.

(xvi) SOR/2014-152 Erratum August 27, 2014.

(xvii) SOR/2014-306 December 31, 2014.

(xviii) SOR/2014-306 Erratum January 28, 2015.

(xix) SOR/2015-100 May 20, 2015.

(xx) SOR/2016-95 June 1, 2016;

(xxi) SOR/2017-137 July 12, 2017.

(xxii) SOR/2017-253 December 13, 2017.

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(cc) *Truck Trailer Manufacturers Association*, 1020 Princess Street, Alexandria, Virginia 22314.

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(2) TTMA RP No. 81-97, Performance of Spring Loaded Pressure Relief Valves on MC 306, MC 307, MC 312, DOT 406, DOT 407, and DOT 412 Tanks, July 1, 1997 Edition, into §§ 178.345-10; 178.346-3.

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(ii) Volume II, ST/SG/AC.10.1/21/Rev.21 (Vol. II).

(2) Manual of Tests and Criteria (UN Manual of Tests and Criteria), 7th revised edition, ST/SG/AC.10.11/Rev.7, copyright 2019; into §§ 171.24, 172.102; 173.21; 173.56 through 173.58; 173.60; 173.115; 173.124; 173.125; 173.127; 173.128; 173.137; 173.185; 173.220; 173.221; 173.224; 173.225; 173.232; part 173, appendix H; 175.10; 176.905; 178.274.

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(3) Globally Harmonized System of Classification and Labelling of Chemicals (GHS), 8th revised edition, ST/SG/AC.10/30/Rev.8, copyright 2019; into § 172.401.

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- (i) Volume I, ECE/TRANS/300 (Vol. I).
- (ii) Volume II, ECE/TRANS/300 (Vol. II).
- (iii) Corrigendum, ECE/TRANS/300 (Corr. 1).

TABLE 1 TO 49 CFR 171.7—MATERIALS NOT INCORPORATED BY REFERENCE

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<i>American Biological Safety Association</i> 1202 Allanson Road, Mundelein, IL 60060: Risk Group Classification for Infectious Agents, 1998	173.134.
<i>American Institute of Chemical Engineers (AIChE)</i> , 3 Park Avenue New York, NY 10016–5991: Process Safety Progress Journal, Vol. 21, No. 2, Example of a Test Method for Venting Sizing: OPPSD/SPI Methodology.	Note to § 173.225(h)(3)(vi).
<i>American Society for Testing and Materials</i> , 100 Barr Harbor Drive, West Conshohocken, PA 19428 (Noncurrent ASTM Standards are available from: Engineering Societies Library, 354 East 47th Street, New York, NY 10017): ASTM E 380–89 Standards for Metric Practice	171.10
<i>Association of American Railroads</i> , American Railroads Building, 50 F Street, NW., Washington, DC 20001: AAR Catalog Nos. SE60CHT; SE60CC; SE60CHTE; SE60CE; SE60DC; SE60DE	179.14
AAR Catalog Nos. SE67CC; SE67CE; SE67BHT; SE67BC; SE67BHTE; SE67BE	179.14
AAR Catalog Nos. SE68BHT; SE68BC; SE68BHTE; SE68BE	179.14
AAR Catalog Nos. SE69AHTE; SE69AE	179.14
AAR Catalog Nos. SF70CHT; SF70CC; SF70CHTE; SF70CE	179.14
AAR Catalog Nos. SF73AC; SF73AE; SF73AHT; SF73AHTE	179.14
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