



Standard Guide for Labeling Chlorinated Hydrocarbon Solvent Containers¹

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1. Scope

1.1 This guide is intended to provide industrial health and safety labeling for the following chlorinated hydrocarbon solvents: methylene chloride, perchloroethylene, and trichloroethylene. Additional labeling may be required if other chemicals are mixed with these solvents, or if special containers (for example, aerosol packages) are employed.

2. Referenced Documents

2.1 *ASTM Standards:*

D 4276 Practice for Confined Area Entry²

2.2 *ANSI Standard:*

ANSI Z 129.1-2000 American National Standard for Hazardous Industrial Chemicals-Precautionary Labeling³

2.3 *Code of Federal Regulations:*

29 CFR 1910.146 OSHA Occupational Safety and Health Standard for Permit-required Confined Spaces⁴

29 CFR 1910.1052 OSHA Occupational Health Standard for Methylene Chloride⁴

29 CFR 1910.1200 OSHA Hazard Communication Standard⁴

49 CFR 172 DOT Hazardous Materials Regulations⁴

16 CFR 1500 Consumer Product Safety Commission Regulations⁴

2.4 *Other Publications:*

ACGIH Threshold Limit Values (TLVs) for Chemical Substances and Physical Agents⁵

3. Significance and Use

3.1 Chemical product labeling is required by the OSHA Hazard Communications Standard 29 CFR 1910.1200. ANSI Standard Z129.1 establishes specific guidelines for preparation of labeling consistent with the OSHA Standard. This guide is

intended as an interpretation of these standards as they apply to these specific products and grades.

3.2 This guide is intended to provide suggestions for the minimum required labeling for these chlorinated solvents. It is not intended to replace labeling determinations made by manufacturers or packagers.

3.3 This guide applies to commercially available grades of these specific products. For solvent blends, or formulations with other materials, consult ANSI Z129.1.

4. Requirements

4.1 These materials may also be subject to applicable federal, state and local laws and regulations.

5. Labeling

5.1 Sections 6-8 describe typical warning statements to be included in warning labels for the appropriate solvents.

5.2 Special grades of these solvents are available. These suggested statements may not be complete, or appropriate in every case. Solvent suppliers should be consulted before labeling containers of these products.

5.3 Some states require identification of any components present in concentrations of 1 % or greater, or of listed carcinogens in concentrations of 0.1 % or greater. Certain grades of these products may contain stabilizers in such concentrations. Consult the supplier for more information.

5.4 Some regulatory districts also require listing of VOC content. Methylene chloride and perchloroethylene are exempt in many jurisdictions, however stabilizers (where present) are considered as VOCs, and may need to be labeled as such.

5.5 Products packaged for consumer uses may require labeling that differs from the recommendations set forth in this guide. Consult Consumer Product Safety Commission regulations (16 CFR Part 1500)

6. Suggested Label for Methylene Chloride

6.1 *Identification:*

Company Name

Company Address

Emergency Telephone Number

Company Logo

Lot Number

Net Weight

Solvent Name: Methylene Chloride (dichloromethane)

¹ This guide is under the jurisdiction of ASTM Committee D26 on Halogenated Organic Solvents and Fire Extinguishing Agents and is the direct responsibility of Subcommittee D26.05 on Industrial Hygiene.

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² *Annual Book of ASTM Standards*, Vol 15.05.

³ Available from American National Standards Institute, 25 West 43rd Street, 4th Floor, New York, NY 10036.

⁴ Available from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

⁵ Available from American Conference of Governmental Industrial Hygienists, 1330 Kemper Meadow Dr., Cincinnati, OH 45240.