



Designation: D4079 – 00 (Reapproved 2011)

Standard Specification for Vapor-Degreasing Grade Methylene Chloride¹

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1. Scope

1.1 This specification covers vapor-degreasing grade methylene chloride.

1.2 The values stated in SI units are to be regarded as standard. No other units of measurement are included in this standard.

1.3 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

NOTE 1—Practices D3844 and D4276, and MNL2² provide additional important information on vapor degreasing and solvent properties.

2. Referenced Documents

2.1 *ASTM Standards:*³

D1078 Test Method for Distillation Range of Volatile Organic Liquids

D2108 Test Method for Color of Halogenated Organic Solvents and Their Admixtures (Platinum-Cobalt Scale)

D2109 Test Methods for Nonvolatile Matter in Halogenated Organic Solvents and Their Admixtures

D2111 Test Methods for Specific Gravity and Density of

Halogenated Organic Solvents and Their Admixtures
D2942 Test Method for Total Acid Acceptance of Halogenated Organic Solvents (Nonreflux Methods)
D2989 Test Method for Acidity-Alkalinity of Halogenated Organic Solvents and Their Admixtures
D3401 Test Methods for Water in Halogenated Organic Solvents and Their Admixtures
D3741 Test Methods for Appearance of Admixtures Containing Halogenated Organic Solvents
D3844 Guide for Labeling Chlorinated Hydrocarbon Solvent Containers
D4276 Practice for Confined Area Entry

2.2 *Other Documents:*

29 CFR 1910.1200 Department of Labor, OSHA Regulations, Hazard Communication⁴

49 CFR 100 to 199 Department of Transportation Hazardous Materials Regulations⁴

3. Properties

3.1 Vapor-degreasing grade methylene chloride shall conform to the requirements prescribed in Table 1.

4. Packaging

4.1 Package and label industrial or commercial quantities in accordance with DOT regulations in 49 CFR 100 to 199, in accordance with state and local regulations, and in accordance with OSHA regulations found in 29 CFR 1910.1200.

5. Keywords

5.1 dichloromethane; methylene chloride; vapor-degreasing solvent

¹ This specification is under the jurisdiction of ASTM Committee D26 on Halogenated Organic Solvents and Fire Extinguishing Agents and is the direct responsibility of Subcommittee D26.02 on Vapor Degreasing.

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² *Manual on Vapor Degreasing, MNL2, third edition, ASTM.*

³ For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

⁴ The Code of Federal Regulations Available from U.S. Government Printing Office Superintendent of Documents, 732 N. Capitol St., NW, Mail Stop: SDE, Washington, DC 20401, <http://www.access.gpo.gov>.