



Designation: D 4079 – 00

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 *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 D 3844 and D 4276, and MNL2² provide additional important information on vapor degreasing and solvent properties.

2. Referenced Documents

2.1 ASTM Standards:

- D 1078 Test Method for Distillation Range of Volatile Organic Liquids³
- D 2108 Test Method for Color of Halogenated Organic Solvents and Their Admixtures (Platinum-Cobalt Scale)⁴
- D 2109 Test Methods for Nonvolatile Matter in Halogenated Organic Solvents and Their Admixtures⁴
- D 2111 Test Methods for Specific Gravity of Halogenated Organic Solvents and Their Admixtures⁴
- D 2942 Test Method for Total Acid Acceptance of Halogenated Organic Solvents (Nonreflux Methods)⁴

¹ This specification is under the jurisdiction of ASTM Committee D-26 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 *Annual Book of ASTM Standards, Vol 06.04.*

⁴ *Annual Book of ASTM Standards, Vol 15.05.*

D 2989 Test Method for Acidity-Alkalinity of Halogenated Organic Solvents and Their Admixtures⁴

D 3401 Test Methods for Water in Halogenated Organic Solvents and Their Admixtures⁴

D 3741 Test Method for Appearance of Admixtures Containing Halogenated Organic Solvents⁴

D 3844 Practice for Labeling Halogenated Hydrocarbon Solvent Containers⁴

D 4276 Practice for Confined Area Entry⁴

2.2 Other Documents:

29 CFR 1910.1200 Department of Labor, OSHA Regulations, Hazard Communication⁵

49 CFR 100 to 199 Department of Transportation Hazardous Materials Regulations⁵

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

⁵ The Code of Federal Regulations may be obtained from the Superintendent of Documents, US Government Printing Office, Washington, DC 20402.