



## Standard Specification for Reclaimed Methylene Chloride<sup>1,2</sup>

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### 1. Scope

1.1 This specification covers the grade of methylene chloride typically needed in various industries for noncritical applications, such as in paint stripping formulations. It may be used as a reference document by purchasers or by persons establishing in-house methylene chloride recovery programs.

### 2. Referenced Documents

#### 2.1 ASTM Standards:<sup>3</sup>

[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](#)

[D2988 Test Methods for Water-Soluble Halide Ion in Halogenated Organic Solvents and Their Admixtures](#)

[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](#)

[D6806 Practice for Analysis of Halogenated Organic Solvents and Their Admixtures by Gas Chromatography](#)

[E1064 Test Method for Water in Organic Liquids by Coulometric Karl Fischer Titration](#)

#### 2.2 U.S. Government Documents:<sup>4</sup>

[49 CFR 100 to 199 Department of Transportation Hazardous Materials Regulations](#)

[29 CFR 1910.1200 Department of Labor, OSHA Regulations on Hazard Communications](#)

### 3. Properties

3.1 Reclaimed methylene chloride shall meet the requirements of [Table 1](#).

### 4. Packaging and Package Marking

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

### 5. Keywords

5.1 dichloromethane; halogenated solvent; MCL; MCH; MeCl; methylene chloride; reclaimed

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<sup>2</sup> Methylene chloride: CAS #75-09-02.

<sup>3</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

<sup>4</sup> The Code of Federal Regulations may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

**TABLE 1 Physical Properties**

Property	Specification	Test Method
Specific gravity, 25/25	1.318 to 1.323	D2111
Acidity, as HCl, ppm, max	1.0	D2989
Water, ppm, max	500	D3401 or E1064
Appearance	Clear and free from suspended matter	D3741
Color, Pt-Co, max	50	D2108
Nonvolatile residue, ppm, max	50	D2109
Chloride, ppm, max	1.0	D2988
Assay, weight %	95.0	D6806
1,1,1-Trichloroethane content, weight %, max	0.5	D6806

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