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Standard Specification for Reclaimed Methylene Chloride^{1, 2}

This standard is issued under the fixed designation D 5395; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

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:

~~D2108 Test Method for Color of Halogenated Organic Solvents and Their Admixtures (Platinum-Cobalt Scale)³~~
~~D2109 Test Methods for Nonvolatile Matter in Halogenated Organic Solvents and Their Admixtures³~~
~~D2111 Test Methods for Specific Gravity of Halogenated Organic Solvents and Their Admixtures³~~
~~D2988 Test Method for Water-Soluble Halide Ion in Halogenated Organic Solvents and Their Admixtures³~~
~~D2989 Test Method for Acidity-Alkalinity of Halogenated Organic Solvents and Their Admixtures³~~
~~D3401 Test Methods for Water in Halogenated Organic Solvents and Their Admixtures³~~
~~D3447 Test Method for Purity of Trichlorotrifluoroethane³~~
~~D3741 Test Method for Appearance of Admixtures Containing Halogenated Organic Solvents³~~
~~E1064 Test Method for Water in Organic Liquids by Coulometric Karl Fischer Titration³~~
D 2108 Test Method for Color of Halogenated Organic Solvents and Their Admixtures (Platinum-Cobalt Scale)
D 2109 Test Methods for Nonvolatile Matter in Halogenated Organic Solvents and Their Admixtures
D 2111 Test Methods for Specific Gravity and Density of Halogenated Organic Solvents and Their Admixtures
D 2988 Test Methods for Water-Soluble Halide Ion in Halogenated Organic Solvents and Their Admixtures
D 2989 Test Method for Acidity-Alkalinity of Halogenated Organic Solvents and Their Admixtures
D 3401 Test Methods for Water in Halogenated Organic Solvents and Their Admixtures
D 3741 Test Methods for Appearance of Admixtures Containing Halogenated Organic Solvents
D 6806 Practice for Analysis of Halogenated Organic Solvents and Their Admixtures by Gas Chromatography
E 1064 Test Method for Water in Organic Liquids by Coulometric Karl Fischer Titration

2.2 U.S. Government Documents:⁴

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 Industrial or commercial quantities shall be packaged and labeled in accordance with DOT regulations as found in 49 CFR 100 to 199 and state and local regulations with above usage in mind.~~

~~4.2 Department of Defense procurements shall be packaged and labeled in accordance with the applicable paragraphs of Federal Specification PPP-C-2020, 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,

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 Methylene chloride: CAS #75-09-02.

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*, Vol 15.05, volume information, refer to the standard's Document Summary page on the ASTM website.

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