



Designation: ~~D5616 – 04 (Reapproved 2010)~~ D5616 – 04 (Reapproved 2016)

Standard Specification for Reclaimed Trichloroethylene¹

This standard is issued under the fixed designation D5616; 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 grades of trichloroethylene² typically needed in various industries for noncritical applications such as in metal cleaning formulations. It may be used as a reference document by purchasers or persons establishing in-house trichloroethylene recovery programs.

2. Referenced Documents

2.1 ASTM Standards:³

[D1064 Test Methods for Iron in Rosin Tall Oil Fatty Acids and Other Related Products \(Withdrawn 2002\)](#)⁴

[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](#)

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

2.2 Code of Federal Regulations:⁵

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

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

3. Classification

3.1 *Type I*—Generally recognized for use in precision applications.

3.2 *Type II*—Use for less-demanding precision applications.

3.3 *Type III*—May not be suitable for all applications.

4. Properties

4.1 Type I reclaimed trichloroethylene shall meet the requirements of [Table 1](#).

4.2 Type II reclaimed trichloroethylene shall meet the requirements of [Table 1](#).

4.3 Type III reclaimed trichloroethylene shall meet the requirements of [Table 1](#).

5. Packaging

5.1 Industrial or commercial quantities shall be packaged and labeled in accordance with DOT regulations as found in [49 CFR 49 CFR Parts 100 to 199](#), in accordance with state and local regulations, and in accordance with OSHA regulations found in [29 CFR 1919.1200](#).

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 Trichloroethylene: CAS No. 79-01-6.

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 last approved version of this historical standard is referenced on [www.astm.org](#).

⁵ Available from the Superintendent of Documents, U. S. Government Printing Office, Washington, DC 20402; U.S. Government Publishing Office, 732 N. Capitol St., NW, Washington, DC 20401-0001, [http://www.gpo.gov](#).