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Standard Specification for Vapor-Degreasing Grade Perchloroethylene¹

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1. Scope*

1.1 This specification covers vapor-degreasing grade perchloroethylene.²

NOTE 1—Guide D3844 and Practice D4276 provide additional important information on 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)

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

D3316 Test Method for Stability of Perchloroethylene with Copper

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:

49 CFR 100 to 199 Department of Transportation Hazardous Materials Regulations⁴

29 CFR 1919.1200 Department of Labor, OSHA Regulations on Hazard Communications⁴

3. Properties

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

4. Packaging and Package Marking

4.1 Package and label industrial or commercial quantities in accordance with DOT regulations 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 perchloroethylene; tetrachloroethylene; vapor degreasing

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 Contains inhibitors.

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* may be obtained from the U.S. Government Printing Office Superintendent of Documents, 732 N. Capitol St., NW, Mail Stop: SDE, Washington, DC 20401, <http://www.access.gpo.gov>.

*A Summary of Changes section appears at the end of this standard