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Standard Specification for WATERLESS HAND CLEANER¹

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1. Scope

1.1 This specification covers waterless hand cleaner that is used to clean grease-based soils from human skin and is removed by wiping or water rinse.

1.2 *This standard may involve hazardous materials, operations, and equipment. This standard does not purport to address all of the safety problems associated with its use. It is the responsibility of whoever uses this standard to consult and establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Applicable Documents

2.1 ASTM Standards:

D217 Test Methods for Cone Penetration of Lubricating Grease²

D460 Methods for Sampling and Chemical Analysis of Soap and Soap Products³

D3278 Test Methods for Flash Point of Liquids by Setaflash, Closed⁴

D3941 Test Method for Finite Closed-Cup Flash Point of Liquids by Equilibrium Method⁴

E 70 Test Method for pH of Aqueous Solutions with the Glass Electrode⁵

2.2 Other Standards:⁶

Canadian Government Specification 2-GP-16

2.3 Other Documents:⁷

Federal Food Drug and Cosmetic Act, Chapter VI, Title 21, Subchapter G, Part 700

3. Classification

3.1 The hand cleaner may be one of two types

which each contains two classes:

3.1.1 *Type 1*—No Abrasive: Class A, regular and Class B, antimicrobial.

3.1.2 *Type 2*—With Abrasive: Class A, regular, and Class B, antimicrobial.

4. Ordering Information

4.1 All types and classes of hand cleaners shall be purchased on a net weight basis.

5. General Requirements

5.1 Waterless hand cleaner shall quickly dissolve and suspend grease-based soils on hands and completely remove the soils from the skin when the hands are wiped with a towel or rinsed with water. The cleaning ability of the waterless hand cleaner shall be determined by the ability of the product to remove a standard test soil from

¹ This specification is under the jurisdiction of ASTM Committee D-12 on Soaps and Other Detergents and is the direct responsibility of Subcommittee D12.22 on Analysis of Soaps and Synthetic Detergents.

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² 1983 Annual Book of ASTM Standards, Vol 05.01.

³ 1983 Annual Book of ASTM Standards, Vol 15.04.

⁴ 1983 Annual Book of ASTM Standards, Vol 06.03.

⁵ 1983 Annual Book of ASTM Standards, Vol 15.05.

⁶ Available from American National Standards Institute, 1430 Broadway, New York, N. Y. 10018.

⁷ Available from Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402.