[INCH-POUND]

A-A-59199
12 May 1998
SUPERSEDING
MIL-C-43454C
17 April 1989

COMMERCIAL ITEM DESCRIPTION

CLEANING COMPOUND, OPTICAL LENS (READY TO USE)

The General Service Administration has authorized the use of this commercial item description by all federal agencies.

1. SCOPE. This commercial item description (CID) covers two types of ready-to-use cleaning compounds. The cleaning compounds described herein are intended for use in cleaning exposed optical surfaces of optical equipment in the field.

2. CLASSIFICATION. The cleaning compound shall be of the following types:

2.1 Type I - 20 percent solution of alcohol.
Type II - 57 percent solution of alcohol.

3. SALIENT CHARACTERISTICS

3.1 Materials and composition. Type I cleaning compound shall consist of (percent by weight) 20.0 +/- 1.0 alcohol, 0.10 +/- 0.01 non-ionic detergent, and 79.9 +/- 1.0 distilled or de-ionized water. Type I compound should not be used at temperatures below 20 degrees ^{o}F. Type II cleaning compound shall consist of (percent by weight), 57.0 +/- 1.0 alcohol, 0.10 +/- 0.01 non-ionic detergent, and 42.9 +/- 1.0 distilled or de-ionized water. Type II compound can be used at temperatures as low as -40 degrees ^{o}F. A certificate of compliance will be provided as evidence of conformance.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be used in improving this document should be addressed to: Defense Supply Center Richmond, Standardization Program Branch, ATTN: DSCR-VBD, 8000 Jefferson Davis Highway, Richmond, VA 23297-5610.

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3.1.1 Alcohol. The alcohol shall be denatured alcohol, Formula No. 3A, consisting of ethyl alcohol and methyl alcohol in accordance with American Chemical Society (ACS) or United States Pharmacopeial (USP) Standards. A certificate of compliance shall be provided as evidence of conformance.

3.1.2 Detergent. The general purpose liquid detergent shall be non-ionic and water-soluble. The detergent shall contain a minimum of 99 percent active ingredient. The appearance of the detergent shall be a liquid at 25 degrees ^{o}C and a slight haze is permissible. Additionally, the cloud point of the detergent shall not be less than 49 degree ^{o}C and not more than 71 degrees ^{o}C. A certificate of compliance shall be provided as evidence of conformance for all requirements of the detergent.

3.1.3 Water. The distilled or de-ionized water shall conform to the requirements of ASTM D 1193 and a certificate of compliance shall be provided as evidence of conformance.

3.2 Non-irritant. The cleaning compound shall not be irritating to the nose or eyes.

3.3 Color. The color of the cleaning compounds shall be no darker than Platinum-Cobalt Scale 25 when tested in accordance with ASTM D 1209.

4. REGULATORY REQUIREMENTS

4.1 Material safety data sheets (MSDSs). Material shall be labeled, packed, and marked in accordance with the latest revision of Federal Standard 313 to reflect regulations for MSDSs.

4.2 Recycled materials. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

5. QUALITY ASSURANCE PROVISIONS

5.1 Product conformance. The products provided shall meet the salient characteristics of this commercial item description, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

5.2 Market acceptability. The following market acceptability criteria are necessary to document the quality of the product to be provided under this CID.

5.2.1 Test data. The company must be able to show test data or lab results of meeting the salient characteristics of the cleaning compound, optical lens.

5.2.2 Warranty. The company must provide a warranty of replacing defective items.

6. PACKAGING. Preservation, packing, and marking shall be as specified in the contract or order.

7. NOTES

7.1 Part identification number (PIN). The following part identification number procedure is for government purposes and does not constitute a requirement for the contractor.

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Type: Type I - 20 percent solution of alcohol.
Type II - 57 percent solution of alcohol.
CID number

7.2 Source of documents.

7.2.1 Federal standards. Federal standards are available from the Standardization Document Order Desk, 700 Robbins Ave., Bldg. 4D, Philadelphia, PA 19111-5094.

7.2.2 ASTM standards. ASTM standards may be obtained from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

7.3 Ordering data. Acquisition documents must specify the following:

a. Title, number, and date of this CID.

b. Part identification number

c. Quantity of containers required.

7.4 National stock numbers (NSNs). The following is a list of NSNs assigned which correspond to this CID. This list may not be indicative of all possible NSNs associated with this document.

NSN	Type	Size
6850-00-392-9751	I	2 Ounces
6850-00-227-1887	I	1 Quart
6850-00-188-9875	II	1 Quart

Preparing activity:
DLA - GS

(Project 6850-1243)