

A-A-50153

February 1, 1988

COMMERCIAL ITEM DESCRIPTION

DETERGENT, LAUNDRY, NONIONIC, LIQUID

The General Services Administration has authorized the use of this commercial item description in preference of MIL-D-43966(GL).

1. SALIENT CHARACTERISTICS

1.1 Description. The nonionic detergent shall be a homogeneous liquid blend of synthetic detergents, emulsifiers, and soil suspending agents. The detergent shall be suitable for laundering cottons, woolens, and synthetic fabrics in soft, hard, or sea water. The detergent shall be a viscous solution at 25°C. The detergent shall not contain phosphates, carbonates, silicates, or organic solvents. Enzyme additives, derived from spore-forming bacteria, in excess of original amounts found in raw materials are prohibited. The detergent shall contain a minimum 0.1 percent of fabric brightener and a minimum 2.5 percent by weight of organic soil suspending agent. The detergent shall be low sudsing and shall have no kerosene-like, rancid, fishy, or acrid odors.

1.2 Nonionic surfactant. The detergent shall contain 30 percent minimum of a nonionic surfactant and the surfactant shall consist of either linear alcohol ethoxylates or alkyl aryl polyether alcohol types with optional fatty amides present or mixtures thereof.

1.3 Standards compliance. The pH value of the detergent shall be between 7.5 and 9.5 when tested in accordance with ASTM D 1172; the cloud point of the detergent in a 1 percent solution in distilled water shall be between 75° and 77°C when tested in accordance with ASTM D 2024.

2. QUALITY ASSURANCE

2.1 Certification. The contractor shall certify that the product offered meets the salient characteristics of this description and conforms to the producer's own drawings, specifications, standards, and quality assurance practices, and is the same as the product offered for sale in the commercial marketplace. When specific quality assurance provisions are specified for any commercial characteristic the contractor shall furnish data resulting from inspection conducted in accordance with the specific quality assurance provisions. The Government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

FSC 7930

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

A-A-50153

3. PACKAGING

3.1 Packing. Five, 15, or 55 gallons of detergent shall be packed in polyethylene drums conforming to MIL-D-43703. Five and 15 gallon containers shall be provided with a reclosable dispenser.

3.2 Palletization. When specified (see 4.2), containers shall be palletized in accordance with load type XIIa, XIIb, or XVII of MIL-STD-147. Each prepared load shall be bonded with primary and secondary straps in accordance with bonding means K and L or film bonding means or P.

3.3 Labeling. Each container shall be labeled in accordance with the Federal Hazardous Substances Act. In addition, the following information shall be marked on each container:

CAUTION: DO NOT USE IN DISHWASHING MACHINES OR ON AIRCRAFT SURFACES.

3.4 Marking. In addition to any special marking required by the contract or purchase order, shipping containers and unit loads shall be marked in accordance with MIL-STD-129.

4. NOTES

4.1 Intended use. The detergent is intended for washing clothes and cloth either in the field or by fixed laundry wash wheels.

4.2 Ordering data.

- a. Title, number, and date of this document.
- b. Size drum required (see 3.1).
- c. When palletization is required (see 3.2).

4.3 Sources for nongovernment association documents.

ASTM D 1172 - pH of Aqueous Solutions of Detergents.

ASTM D 2024 - Cloud Point of Nonionic Surfactants.

ASTM D 3951 - Standard Practice for Commercial Packaging.

(Application for copies should be addressed to the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.)

A-A-50153

4.4 Laws and regulations.

16 CFR 1500 - Federal Hazardous Substance Act

(The code of Federal Regulations (CFR) and the Federal Register (FR) are for sale on a subscription basis by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. When indicated, reprints of certain regulations may be obtained from the Federal agency responsible for issuance thereof.)

MILITARY INTERESTS:

Custodians

Army - GL
Air Force - 99

Review Activity

Army - MD

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

PREPARING ACTIVITY:

Army - GL

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