

| INCH-POUND |

MIL-D-20550B  
AMENDMENT 1  
20 October 1992

**MILITARY SPECIFICATION**  
**DIATOMACEOUS EARTH**

*This amendment forms a part of MIL-D-20550B, dated 8 August 1968, and is approved for use by all Departments and Agencies of the Department of Defense.*

PAGE 1

2.1: Delete the following

“SPECIFICATION

Federal

UU-S-48 - Sacks, Shipping, Paper.”

PAGE 2

2.2: Under American Society for Testing and Materials (ASTM) add the following

“D 3951 - Commercial Packaging.”

AMSC N/A

FSC 9390

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

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PAGE 3

4.1: Delete the first sentence and substitute the following

“Unless otherwise specified in the contract or purchase order, the supplier shall be responsible for the performance of all inspection requirements as specified herein ”

4.1.1 Delete the first sentence and substitute the following

“In accordance with 4.1, the supplier shall be responsible for insuring that materials used were manufactured and inspected in accordance with the requirements of referenced subsidiary specifications and standards to the extent specified.”

PAGES 5 & 6

5: Delete “PREPARATION FOR DELIVERY” and substitute “PACKAGING”

5.1: Delete the paragraph and its three subparagraphs in their entirety and substitute the following

“5.1 Packing Packing shall be level A or commercial as specified (see 6.2)

5.1.1 Level A. The diatomaceous earth shall be packed in a heavy duty paper shipping sack. The paper shipping sack shall have the following construction The sack shall consist of four walls, and a moisture barrier, which shall be next to the outer wall The walls shall consist of paper having a minimum basis weight (mbw) of 250 total for all walls, with a mbw of 60 for the outer wall, which shall have a minimum average wet strength of 5.4 pounds per square inch of width. The minimum average dry tensile energy absorption strength of the paper shall be 85 pounds per square foot in the cross direction, and 237 pounds per square foot cross direction plus machine direction. The minimum average dry tearing strength of the paper shall be 500 grams in the machine direction, and 1075 grams machine direction plus cross direction. The moisture barrier shall have a maximum average water vapor transmission rate (at 90 percent relative humidity and 100 °F) of 3 grams per 100 square inches per 24 hours uncreased and 6 grams per 100 square inches per 24 hours creased. This moisture barrier must be continuous across the ends of the sack. The underside of the folds of the pasted ends shall be glued in position using a water resistant adhesive.

5.1.2 Commercial. The diatomaceous earth shall be packed in accordance with ASTM D 3951.”

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Custodian: Preparing activity

Army - EA, ME Army - EA

Air Force - 99 Project No. 9390-1010

**Review activities:**

Air Force - 84, 85

**User activities:**

Navy - AS