

1. DATA SHEET

CONTAINER

Type: Box
UN Code: 4C1
Nomenclature: Box, Wirebound
Specification Number: Mil-B-46506
Drawing Number: 9294598
Material: Wood and wire
Gross Weight: 200.0 pounds
Outside Dimensions: 45 1/2 in. x 13 1/4 in. x 20 1/2 in.
Inside Dimensions: 43 in. x 12 in. x 18 in.

PRODUCT

Name: Demolition, Kit, Cratering: M180
Drawing Number: 9244400
United Nations Number: UN0181
Physical State: Solid
Amount per Container: 1

2. BACKGROUND, TESTS, AND RESULTS

Reference the following documents:

- a. United Nations Transport of Dangerous Goods, Sixth Edition
- b. Federal Register dated December 21, 1990
- c. Federal Register Notice dated February 21, 1991

The tests were conducted with a total weight of the loaded wirebound box of 223 pounds instead of a total weight of 200 pounds.

A Stacking Test was conducted on 3 containers with a weight of 2300 pounds for 24 hours. This weight exceeds the minimum requirement of a weight equivalent to a 10 foot stack height which is 1171 pounds.

A Loose Cargo Test was conducted IAW with the Federal Register on the same 3 containers. The packages were tested at a vibration table frequency such that the bottom of the packages were raised 1/16 inch from the platform.

A Four Foot Drop Test was conducted on one of the containers that was subjected to the Loose Cargo Test. One container was dropped five times at different orientations as follows: top, bottom, long side, short side, and a top corner at the closure. This exceeds the requirement of one drop per container.

Test results indicate that there was no leakage or spillage of the container following any of the tests conducted, and as such, meets the requirements of the Federal Register and The United Nations Transport of Dangerous Goods.

I. REPORT NUMBER: DOD POP HMTR/AYD 91-009

II. TITLE: Performance Oriented Packaging Report for Demolition Kit,
Cratering: M180

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PERFORMING ACTIVITY: ARDEC

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