This POP report describes the results of testing conducted on the packaging for the Mine, Apers, M18A1, which is packaged with mines/Mil-B-46506 wirebound box.
I. REPORT NUMBER: DOD POP HMTR/AYD 91-015

II. TITLE: Performance Oriented Packaging Report for Mine, Apers, M18A1

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PERFORMING ACTIVITY: ARDEC

ADDRESS: Department of the Army
ARDEC, SMCAR-AEP
HQ, U.S. Army Armament, Munitions, and Chemical Command
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DATE: 8 Aug 91

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1. DATA SHEET

CONTAINER
Type: Box
UN Code: 4C1
Nomenclature: Box, Wirebound, Packing, Ammunition, for Mine, Apers, M18A1 w/ accessories or Mine, Apers, Practice, M68
Specification Number: Mil-B-46506
Drawing Number: 8800900
Material: Wood and wire
Gross Weight: 53.0 pounds
Outside Dimensions: 15 1/8 in. x 10 9/16 in. x 13 17/32 in.
Inside Dimensions: 12 3/4 in. x 9 1/2 in. x 11 7/8 in.

PRODUCT
Name: Mine, Apers, M18A1
Drawing Number: 8835166
United Nations Number:
Physical State: Solid
Amount per Container: 6

2. BACKGROUND, TESTS, AND RESULTS

Reference the following documents:
b. Federal Register dated December 21, 1990
c. Federal Register Notice dated February 21, 1991

A Stacking Test was conducted on 3 containers with a weight of 2500 pounds for 24 hours. This weight exceeds the minimum requirement of a weight equivalent to a 10 foot stack height which is 807 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 1/4 inch from the platform, which exceeds the requirement of 1/16 inch.

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.