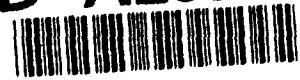


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REPORT DOCUMENTATION



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2b. DECLASSIFICATION / DOWNGRADING SCHEDULE		5. MONITORING ORGANIZATION REPORT NUMBER(S)	
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FIELD	GROUP	Performance Oriented Packaging, POP, M143E1 S&A Metal Drum	
19. ABSTRACT (Continue on reverse if necessary and identify by block number)			
<p>This report contains the testing and test results performed on the M143E1 Patriot S&A Device (packed 1 S&A/drum). (25)</p> <p>* Packaging, * Containment, * Shipping, * Metal Drum.</p>			
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22a. NAME OF RESPONSIBLE INDIVIDUAL Anthony D'Angelo, P.E.		22b. TELEPHONE (Include Area Code) (201) 724-4976	22c. OFFICE SYMBOL SMCAR-AEP

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1. DATA:

CONTAINER:

Type: Drum, Metal
UN Code: 1A2
Nomenclature: Drum, Metal, Shipping
Specification Number: MS27684
Drawing Number: 9282999-63
Material: Metal
Capacity: 2.27 kg (5 lbs)
Dimensions: 35.9 cm H x 26.0 cm dia. (14.12 in H x 10.26 in dia)
Gross Weight: 6.8 kg (15 lbs)

PRODUCT:

Name: M143E1 S&A
Drawing Number: 9331669
United Nations Number: 0410
United Nations Packing Group: II
Physical State: Solid
Amount per Container: 1 S&A

2. BACKGROUND:

This report contains the testing and test results performed on the M143E1 S&A. The metal drum (PN 9282999-63) contains 1 S&A and is packed in accordance with drawing no. 9331669. Tests were performed in accordance with Performance Oriented Packaging test regulations.

3. TEST:

DROP:

Drums were dropped once each from 1.2 meters (4 feet). The drums were dropped on 3 inch solid steel plate reinforced by 18 inches of crushed rock in 2 different orientations. The orientations were as follows:

3 drops diagonally on chime
3 drops on longitudinal seam

LOOSE CARGO VIBRATION:

Vibration tests were performed on 3 drums for 1 hour each. The frequency applied caused the drum to be raised from the vibrating platform 1/16 in. (1.6mm).

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4. RESULTS:

The containers passed all tests since none of the contents were discharged. They are considered safe for international transportation in accordance with Performance Oriented Packaging regulations.

5. REFERENCED MATERIAL:

- a. United Nations, "Transport of Dangerous Goods", 6th Edition
- b. Federal Register Part II



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