

**AN/PDR-77 RADIAC SET  
NSN 6665-01-347-6100**

**\*\*\*\*IMPORTANT NOTE\*\*\*\***

Shipment of the AN/PDR-77 RADIAC Set does NOT require shipment as a Class 7 (Radioactive) shipment. The AN/PDR-77 RADIAC Set contains  $1.11\text{E}+03$  Becquerels (Bq) of Thorium (Th)-232. Transportation regulations have assigned the Exempt Consignment Activity for Th-232 as  $1.0\text{E}+04$  Bq and do not consider shipments of Th-232 in consignments with an activity of less than or equal to  $1.0\text{E}+04$  Bq as Class 7 (Radioactive).

Consignments containing up to 9 each AN/PDR-77 assets may be shipped and still meet the Exempt Consignment Activity of  $1.0\text{E}+04$  Bq. Consignments of Th-232 of GREATER than the Exempt Consignment Activity of  $1.0\text{E}+04$  Bq must be made as a Class 7 (Radioactive) shipment as indicated below.

**\*\*\*\*END NOTE\*\*\*\***

**Isotope and Activity:** Th-232,  $1.11\text{E}+03$  Bq (30 nCi).

**Proper Shipping Name/Hazard Class/UN Number:**

Radioactive material, excepted package - limited quantity of material/7/UN2910.

**Chemical and/or Physical Form:** Metal foil.

**Construction Form:** Normal form.

**Package Requirements:**

Packaging: Packaging meeting the General Design Requirements of 49 CFR 173.410 or the General Packing Requirements of IATA 10.5.3 and 10.3.10 as applicable.

Package Label: Not required.

Package Markings:

- The word "RADIOACTIVE" (non-specification marking) is required on the outside of the inner packaging or if there is no inner packaging, on the outside of the packaging itself.
- The UN number preceded by the letters "UN."
- The permissible gross weight, if this exceeds 110 pounds (50 kg).
- Full name and address of the shipper and the consignee.

- The full name and address of the shipper and the consignee; the UN number; and gross weight shall be marked on the outside of the package or overpack at least ½ inch (12 mm) high.

**Survey Requirements:**

Radiation Level Survey: Not required. The radiation source activity will not produce a radiation level at any point on the external surface of the package in excess of 0.005 mSv/hr (0.5 mrem/hr), as stated in memorandum from U.S. DOT to U.S. Army CECOM, dated 23 December 1996.

Nonfixed Contamination Survey: Not required if new packaging material is used or previously used packaging material known to be free of contamination is used, as stated in memorandum from U.S. DOT to U.S. Army CECOM, dated 23 December 1996.

**Additional Requirements:** Declared shipments are permitted aboard passenger-carrying aircraft. However, the airlines have the first right of refusal regarding the acceptance of packages containing radioactive materials or other hazardous materials.

Vehicle Placard: Not required.

**Additional Comments:**

-There is no activity limit to the number of AN/PDR-77 RADIAC Sets that you may ship per package.

-You may mail (USPS) as many AN/PDR-77 RADIAC Sets as necessary. All other 49 CFR conditions applicable to excepted packages for limited quantities of Class 7 materials, as indicated above, also apply to this USPS shipment.