

# Product Information

## Specifications

### Plutonium-241

**Half-Life/Daughter**

14.329 years to uranium-237

**Decay**

[Decay Radiation Information \(NNDC\)](#)

**Chemical Form**

Oxide powder; nitrate or chloride solid

**Radioisotopic Purity**

61 wt% Pu-241, 20 wt% Pu-240, 13 wt% Pu-242, 5 wt% Pu-239, >1 wt% Pu-238

**Radionuclide Purity**

~71% by weight Pu, ~29% Am

**Production Route**

Sequential neutron captures in uranium-238/plutonium

**Processing**

Electromagnetic separation of plutonium

**Primary Container**

Glass screw cap bottle in nonreturnable container

**Availability**

Stock

**Unit of Sale**

Milligrams

## Other Information

Classed as a nuclear material requiring documentation of transfer (DOE/NRC Form 741)