

Environmental Health and Safety
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Radium (Ra-228)

Half Life: 5.75 years

Radiation: Beta and gamma rays

Shielding: Tubes and applicators should have at least 5 cm of lead shielding per 100 mg of radium. Radium solutions required lead shielding ranging from 15 cm for a 0.5 g source to 30 cm for a 2 g source

Dosimetry: Body and ring badges

Detection/Measurement: GM tube with pancake probe. Wipe tests required.

General Precautions:

Maintain your occupational exposure to radiation As Low As

Do not take any radioactive material off site or use in any ways not approved by the Radiation Safety Officer