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## An Extensive Study of Radio Active Homoeopathic Drugs- Future Perspective

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### ABSTRACT:

Radionuclide (or radioactive materials) is a class of chemicals where the nucleus of the atom is unstable. They achieve stability through changes in the nucleus (spontaneous fission, emission of alpha particles, or conversion of neutrons to protons or the reverse).

Radioactivity is the release of energy from the decay of the nuclei of certain kinds of atoms and isotopes. Atomic nuclei consist of protons and neutrons bound together in tiny bundles at the center of atoms. Radioactivity is defined as the process in which unstable atomic nuclei loses energy by emitting radiation in the form particles or electromagnetic waves. These radiations are able to ionize the atoms and molecules along their track. These radiations are able to cause cancer and death. Radioactive substances are atoms that decay naturally. They can give off alpha particles, [beta particles](#) and [gamma radiation](#). Unlike X-ray sources they cannot be turned off, so their control is more difficult. Sources for industrial radiography such as [iridium 192](#) are emitters of gamma radiation and they can be used to radiograph thick sections of steel and other metals. These, too, are used inside [shielded enclosures](#), but since the sources cannot be turned off electrically, they are housed in shielded containers. From the container, the source is projected through a guide tube to the point of use, and then retracted. Procedural controls will be needed so that checks are done each time the source has been used to see that it has indeed returned to its container. Serious accidents have occurred when sources have been accidentally left inside the guide tubes.

A common source of alpha particles in the welding environment is throted [tungsten](#), used in many TIG welding electrodes. Alpha particles do not travel very far, and are effectively stopped by the layer of dead skin on the outside of our bodies. However, alpha particles have a great deal of potential to cause harm. If they are released inside the body, as a result of inhaling or ingesting a dust that emits alpha particles they can cause damage to the lungs or digestive system. Measures must be taken to minimize the risk of this happening. This requires control of dust when the electrodes are ground.

### Keywords

Radioactive, Homoeopathy, Uranium Nitricum, Radium Bromide, Provings

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