

The invention relates to substances protecting people from non-ionizing radiations of various types, particularly from non-ionizing radiation resulting from the exploitation of industrial and household equipment, radioactive, geopathogenic and cosmic radiation, to methods for producing the protective substance, as well as to protective devices with its application.

The protective substance from non-ionizing radiation, according to the invention, contains water with a modified structure, ions of rare-earth elements, such as cerium, in the amount of 0.0012...0.0080 mol/L and formic acid in the amount of 1...5 g/L.

The method for producing the protective substance consists in that in a tank, made of dielectric material, is placed water and metallic silver in a mass ratio of 1000:1 and is treated with a magnetic field with an induction of 10...12 mT for three days, the liquid is passed through an electromagnetic separator for 5 minutes and is carried out the electrolysis using on a metal cathode a powder rare-earth metal, such as cerium, in the amount of 0.002...0.005 g/L, at a current density of 1.5 A/dm² for 5...10 min, and at the end of electrolysis is added formic acid in an amount of 1...5 g/L.

The protective device is made in the form of a plate, including a substrate of natural cellulose fibers, for example cotton fibers, placed between two layers of moisture-proof material, on one side of the substrate being applied a thin layer of protective substance.

The result consists in the practically complete blockage of negative radiation and the creation of a protective device convenient for the user.

Claims: 3