Evaporation and decontamination rates of chemical agents (HD, GD, VX) from environmentally various surfaces: porosity effects

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The evaporation and decontamination rates of chemical agents (HD, GD, VX) from glass, sand, soil, and asphalt were measured under a cetrtain environmental condition using wind tunnel. In addition, the porosity of materials was measure, respectively. As reference, glassbeads with uniform size and shape were used. The results show that the evaporation and decontamination rates increase with decrease in porosity. These preliminary results would be helpful to build up database of chemical agents under a variety of environmental condition.