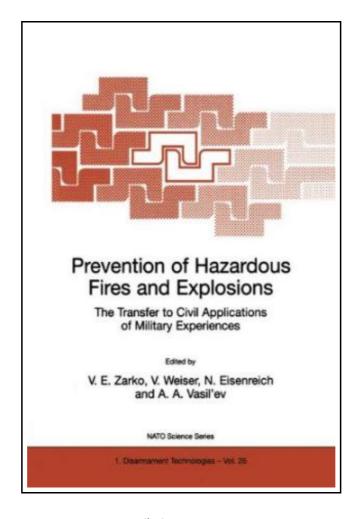
Prevention of Hazardous Fires and Explosions



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Reviews

This ebook is indeed gripping and fascinating. it had been writtern really properly and helpful. I am very easily could possibly get a satisfaction of reading a published publication.

(Maude Ritchie)

PREVENTION OF HAZARDOUS FIRES AND EXPLOSIONS



Book Condition: New. Publisher/Verlag: Springer Netherlands | The Transfer to Civil Applications of Military Experiences | Proceedings of the NATO Advanced Research Workshop, Novosibirsk, Russia, May 12-15, 1998 | Besides its obvious destructive potential, military R&D also serves to protect human lives, equipment and facilities against the effects of weapons. Concepts have therefore been developed that improve safety of stationary and mobile facilities against pressure waves, thermal radiation and fire. Effective, fast fire extinguishing equipment has been designed for tank compartments and motors. Closed buildings are demolished and landmines are removed with gas and dust explosions. Stringent safety requirements have been developed for the production of ammunition and explosives. Military and related industries have accumulated a vast knowledge and sophisticated experience that are very valuable in a variety of civil applications. The knowledge is based on theoretical and experimental research work, the origin of which sometimes dates back many centuries. It has often been classified and therefore has remained unknown to the civilian population, until now. | Preface. 1. Review on explosion events - a comparison of military and civil experiences; C.O. Leiber, R.M. Doherty. 2. Explosions caused by fires at high explosives production; B.N. Kondrikov. 3. Prediction of large scale fire behavior using nuterial flammability properties; M.A. Delichatsios. 4. Use of modern composite materials of the chemical heat accumulator type for fire protection and fire extinguishing; V.N. Parmon, et al. 5. Test method for ranking the fire properties of materials in space based facilities; J.L. Cordova, et al. 6. From rocket exhaust plume to fire hazards - methods to analyse radiative heat flux; V. Weiser, et al. 7. A review of computational fluid dynamics (CFD) modeling of gas explosions; B.H. Hjertager, T. Solberg. 8. Detonation hazards of gaseous mixtures; Á.Á. Vasil'ev. 9. Evaluation of hazard of spray detonation; V.V....

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