Fundamentals of explosive chemistry

Synopsis:

This book is used as a textbook for “Ammunition Technical Officers Course” and “Artillery Course” in Chemistry Department, Faculty of Science, Universiti Teknologi Malaysia (UTM). These courses are offered by School of Professional and Continuing Education UTM in collaboration with the Ministry of Defense and the Armed Forces. Currently this book is also being considered to be used in the newly approved Masters Degree in Forensic Science, Faculty of Science, UTM.

Fundamentals of Explosive Chemistry discusses the phenomenon of explosion, historical development of explosives, classification of materials, performance of explosives, propellants, pyrotechnics and the theory related to burning, detonation and explosions. The contents are discussed intriguingly yet only minimal chemistry knowledge is required.

This book is useful for students of Forensic Science and Enforcement Agencies like the Chemistry Department, Army, Police, and Fire Department, helping them in the understanding of physical and chemical aspects of explosives, especially for storage and handling or during investigations of crimes involving explosions and explosives.

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