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environmental chemistry of explosives pdf

The Bend+Libration Combination Band Is an Intrinsic, Collective, and Strongly Solute-Dependent Reporter on the Hydrogen Bonding Network of Liquid Water

American Chemical Society - ACS Publications Home Page

An explosive material, also called an explosive, is a reactive substance that contains a great amount of potential energy that can produce an explosion if released suddenly, usually accompanied by the production of light, heat, sound, and pressure. An explosive charge is a measured quantity of explosive material, which may be composed of a single ingredient or a combination of two or more.

Explosive - Wikipedia

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Chemistry. The chemistry of ANFO detonation is the reaction of ammonium nitrate with a long-chain alkane ($C_n H_{2n+2}$) to form nitrogen, carbon dioxide, and water. In an ideal stoichiometrically balanced reaction, ANFO is composed of about 94.3% AN and 5.7% FO by weight. In practice, a slight excess of fuel oil is added, as underdosing results in reduced performance while overdosing merely ...

ANFO - Wikipedia

Organic secondary explosives can be further divided into nitroaromatics, nitramines, and nitrate esters. Nitroaromatics, which include TNT, tetryl, and ammonium picrate, contain NO₂ groups bonded to carbon atoms on the aromatic ring. Nitramines contain NO₂ groups bonded to nitrogen present within an alicyclic ring, for example, RDX and HMX; nitrate esters contain NO₂ groups bonded to an ...

Applied and Environmental Soil Science - Hindawi

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