

Contents Volume 13 (1986)

Vol. 13, No. 1 (February 1986)

Special Issue: A Selection of Papers Presented at the Joint Symposium on "Compatibility of Plastics and Other Materials with Explosives, Propellants and Pyrotechnics, and Processing of Propellants, Explosives and Ingredients", March 11-13, 1985, Hilton Head, SC, U.S.A.

Electrostatic sensitivity of consolidated magnesium-Teflon compositions B.V. Diercks (Marshall, TX, U.S.A.)	3
Assessment of the explosion hazard during continuous purification of nitrocellulose in the Conicell T.W. Ewing and F.T. Kristoff (Radford, VA, U.S.A.)	17
Decontamination of explosives buildings and plant at RO/XD Bridgwater G.A. Trimm (Bridgwater, Great Britain)	27
Chemical and photographic evaluation of rigid explosive transfer lines E.G. Kayser (Silver Springs, MD, U.S.A.)	39
Degradation profile of propellant systems with analytical pyrolysis/concentrator/ GC technology S.A. Liebman, P.J. Duff, K.D. Fickie, M.A. Schroeder and R.A. Fifer (Aberdeen Proving Ground, MD, U.S.A.)	51
The effect of some dissolved metal-ion contaminants on the homogeneous decomposition rate of anhydrous hydrazine J.M. Bellerby (Swindon, Great Britain)	57
Association of nitrocellulose with cupric chloride in solution E. Ahad (Courcellette, Québec, Canada)	61
Pyrotechnic aerosolization of imbibed liquids A. Turetsky (Aberdeen Proving Ground, MD, U.S.A.)	75
Application of the used solvent elimination (USE) program to the ordnance community L.J. Lay and K.J. Smith (Indian Head, MD, U.S.A.)	81
Coating of explosives H. Schmid (Karlskoga, Sweden)	89
Crystallization of HMX from γ -butyrolactone L. Svensson, J.-O. Nyqvist and L. Westling (Karlskoga, Sweden)	103
Process development of a nitramine propellant for the GAU-8 30 mm gun system F.S. Silverman, L.M. Torreyson, K.L. Tomasello and J. Headden (Indian Head, MD, U.S.A.)	109

Vol. 13, No. 2 (April 1986)

Attenuation of blast waves when detonating explosives inside barriers J.M. Powers and H. Krier (Urbana, IL, U.S.A.)	121
A method to classify biodegradabilities of organic compounds K. Urano and Z. Kato (Yokohama, Japan)	135
Evaluation of biodegradation ranks of priority organic compounds K. Urano and Z. Kato (Yokohama, Japan)	147
Removal of 1,4-dioxane from wastewater G.M. Klečka and S.J. Gonsior (Midland, MI, U.S.A.)	161
Determination of rates of product consumption and soot formation during combustion of solvents commonly carried by rail R.D. Delumyea, K.P. Moore, G.I. Miller, S.A. Dukes, K.J. McKinney, M.A. Morgan (Clemson, SC, U.S.A.)	169

The assessment of major hazards: Generalisation of the impact model for the estimation of injury and damage around a hazard source F.P. Lees, B.R. Poblete and G.B. Simpson (Loughborough, Great Britain)	187
The United States Environmental Protection Agency Combustion Research Facility: A commitment to hazardous waste management R.A. Carnes (Jefferson, AR, U.S.A.)	197
Statistical approaches to groundwater monitoring C.A. Silver (Philadelphia, PA, U.S.A.)	207
Accelerating rate calorimetry of monomers on absorbents S. Hankin (Midland, MI, U.S.A.)	217
A hazardous waste siting experience R.A. Carnes (Jefferson, AR, U.S.A.)	227
Fail-safe devices for the prevention of hazardous materials spills (<i>U.S. EPA Project Summary</i>) D.B. Heard (Norwood, MA, U.S.A.)	233
Book Reviews	239
Meeting Report	249
News	251
Announcements	252

Vol. 13, No. 3 (August 1986)

Institutional issues affecting the transport of hazardous materials in the United States: Anticipating strategic management needs S.A. Carnes (Oak Ridge, TN, U.S.A.)	257
The assessment of major hazards: The lethal toxicity of bromine R.M.J. Withers and F.P. Lees (Loughborough, Great Britain)	279
Concentration—time mortality response relationship of irritant and systemically acting vapours and gases W.F. ten Berge (Geleen, The Netherlands), A. Zwart and L.M. Appelman (Zeist, The Netherlands)	301
Approximate quantitative aspects of a hot spot, Part II. Initiation, factors of safe handling, reliability and effects of hydrostatic pressure on initiation C.-O. Leiber (Swisttal-Heimerzheim, F.R.G.)	311
Automated platinum resistance thermometer for determining the composition of salt solutions and purity of TNT J.M.C. Ridden (McMasterville, Quebec, Canada)	329
Determination of products of combustion from fires involving solvents commonly carried by rail R.D. Delumyea, K.P. Moore and M.A. Morgan (Clemson, SC, U.S.A.)	337
Sorption—desorption phenomena of chemicals from polymer (paint) films A.D. Schwope (Cambridge, MA, U.S.A.), J. Klein (Aberdeen Proving Ground, MD, U.S.A.), K.R. Sidman and R.C. Reid (Cambridge, MA, U.S.A.)	353
A new look at physiologic respiratory response to H ₂ S poisoning H.M. Ammann (Research Triangle Park, NC, U.S.A.)	369
Delineating toxic areas by canine olfaction (<i>U.S. EPA Project Summary</i>) L.D. Arner (Westmoreland, NY, U.S.A.), G.R. Johnson (Windsor, Ontario, Canada) and H.S. Skovronek (Morris Plains, NJ, U.S.A.)	375
Book Reviews	383
News	393
Meeting Announcements	394
List of Books Reviewed (Volume 13)	397
Author Index Volume 13	398