

1. Record Nr.	UNINA9910973051803321
Titolo	Jet fuel toxicology / / edited by Mark L. Witten, Errol Zeiger, Glenn David Ritchie
Pubbl/distr/stampa	Boca Raton, [FL], : CRC Press, 2011
ISBN	0-429-14171-8 1-4398-5771-7 1-4200-8021-0
Edizione	[1st ed.]
Descrizione fisica	1 online resource (346 p.)
Altri autori (Persone)	WittenMark L <1953-> (Mark Lee) ZeigerErrol RitchieGlenn David
Disciplina	615.9/5
Soggetti	Jet planes - Fuel - Toxicology Hydrocarbons - Toxicology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front cover; Dedication; Contents; Preface; About the Editors; Contributors; Chapter 1. Air Force-Related Jet Fuel Toxicology Research (1991-2010); Chapter 2. Jet Fuel Composition; Chapter 3. The Toxicity and Underlying Mechanism of Jet Propulsion Fuel-8 on the Respiratory System; Chapter 4. Neurotoxicological and Neurobehavioral Effects from Exposure to Jet Fuels; Chapter 5. Differential Protein Expression Following JP-8 Jet Fuel Exposure; Chapter 6. Immune Modulation by Dermal Exposure to Jet Fuel Chapter 7. Absorption, Penetration, and Cutaneous Toxicity of Jet Fuels and Hydrocarbon ComponentsChapter 8. Methods of Assessing Skin Irritation and Sensitization of Jet Fuels; Chapter 9. Understanding Systemic and Local Toxicity of JP-8 after Cutaneous Exposures; Chapter 10. The Effects of Aerosolized JP-8 JetFuel Exposure on the Immune System; Chapter 11. The Involvement of Poly(ADP-ribosyl)ation in Defense against JP-8 Jet Fuel and Other Chemical Toxicants; Chapter 12. Evaluation of Methods Used to Generate and Characterize Jet Fuel Vapor and Aerosol for Inhalation Toxicology Studies Chapter 13. Genetic Damage in the Blood and Bone Marrow of Mice

Treated with JP-8 Jet FuelChapter 14. Computational Analyses of JP-8 Fuel Droplet and Vapor Depositions in Human Upper Airway Models; Chapter 15. Human Exposure to Jet Propellant-8; Color Insert; Back cover

Sommario/riassunto

Currently serving as a resource for the National Center for Toxicological Research in their work with the Gulf Coast oil spill, this book presents current research conducted primarily by the airforce on the toxic effects of JP-8 jet fuel on the pulmonary, immune, dermal, and nervous systems. In all, the book considers 13 toxicology studies of significance, the results of which are currently shaping US armed services policy. It will enable all of the hydrocarbon industry to make better choices regarding fuel handling. Due to its widespread use, jet fuel is thought to be the larg
