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TITLE: Comparative Neurobehavioral Toxicity Assessment of Three Hydrocarbon Fuels

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Comparative Neurobehavioral Toxicity Assessment Of Three Hydrocarbon Fuels

**United States. Environmental
Protection Agency**



Comparative Neurobehavioral Toxicity Assessment Of Three Hydrocarbon Fuels:

Comparative Neurobehavioral Toxicity Assessment of Three Hydrocarbon Fuels, 1998 There is increasing evidence that repeated human occupational exposure to low concentrations of fuels can result in significant changes in neurobehavioral capacity Recent evidence indicates that repeated exposure of rodents to jet fuel vapor aerosol can induce significant changes in physiological function To evaluate the neurobehavioral consequences of repeated fuel vapor exposures groups of 32 male Sprague Dawley rats were exposed for 6 hr day 5 days week for 6 consecutive weeks to JP 8 1 mg L jet fuel JP 5 jet fuel or diesel fuel vapor in whole body inhalation chambers Three groups of 16 control rats each were similarly exposed to room air Following whole body exposures rats were rested for 65 days then were evaluated for neurobehavioral changes on a battery of performance tests selected from the Neurobehavioral Toxicity Assessment Battery NTAB Following sacrifice rats were assayed for changes in brain or serum neurotransmitter levels and for functional or anatomical changes in the lungs liver and testes Results of this investigation are compared to data reported previously for fuel industry workers exposed to jet fuel vapors for up to 32 years

Jet Fuel Toxicology Mark L. Witten, Errol Zeiger, Glenn David Ritchie, 2010-07-30 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

Cumulated Index Medicus, 1996

Inhalation Toxicology Harry Salem, Sidney A. Katz, 2005-12-22 Written by internationally recognized scientists from academic industrial and governmental sectors Inhalation Toxicology Second Edition details the methods and materials used in the theoretical and applied aspects of inhalation toxicology The editors emphasize the relationship between the respiratory system and toxicology of inhaled substances

Scientific and Technical Aerospace Reports, 1981 Lists citations with abstracts for aerospace related reports obtained from world wide sources and announces documents that have recently been entered into the NASA Scientific and Technical Information Database

Index Medicus, 2001-07 Vols for 1963 include as pt 2 of the Jan issue Medical subject headings

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Inventory of Federal Energy-related Environment and Safety Research for ..., 1978

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