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## **Reviews**

Excellent eBook and useful one. it was actually writtern extremely perfectly and useful. You wont truly feel monotony at at any time of your time (that's what catalogues are for about when you question me).

(Zora Koch IV)

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RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 30 pages. Original publisher: Champaign, IL: US Army Corps of Engineers, Construction Engineering Research Laboratories; Springfield, VA: National Technical Information Service, distributor, 1998 OCLC Number: ocm42413779 Subject: Explosives, Military -- Biodegradation -- Evaluation. Excerpt: . . . USACERL TR-98 116 15 Sewell 1992; Gottschalk 1986). The metabolism of acetate does not result in the production of H, therefore it does not enhance TNT degradation rates. Other 2 researchers have reported this also, suggesting that H was the electron donor 2 responsible for stimulating reductive dechlorination reactions (Gibson and Sewell 1992; Fennel and Gossett 1997). These studies did not give any insight into the subsequent reduction of 2A46DNT. Reduction of the second nitro group could occur either at the ortho or para-nitro group, resulting in the formation of either 26DA4NT or 24DA6NT, respectively. To determine the fate of 2A46DNT, we used it to spike bottles. In glucose unamended bottles, 2A46DNT was reduced at both the ortho and para positions (Table 3). After 3 days, 94 percent of the starting substrate was recovered as a mixture of 2A46DNT, 24DA6NT, and 26DA4NT. 26DA4NT accounted for more than 65 percent of the two diaminonitrotoluene isomers, indicating the ortho nitro group was preferentially reduced. Interestingly, in glucose amended bottles, 24DA6NT accounted for more than 70 percent of the two diaminonitrotoluene isomers, indicating the para nitro group was preferentially reduced, a finding opposite that observed with the glucose unamended bottles ( Table 3 ). In the sterile control, 100 percent of the starting material was recovered as a mixture of 2A46DNT, 24DA6NT, and 26DA4NT ( Table 3 ). The DANT isomers were formed in almost identical amounts. The literature search preliminary to this study revealed no...



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