



Oil Spill Dispersants Mechanisms of Action and Laboratory Tests

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James R. Payne
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Oil Spill Dispersants Mechanisms Of Action And Laboratory Tests

JS Bruner



Oil Spill Dispersants Mechanisms Of Action And Laboratory Tests:

Oil Spill Dispersants Clayton/Payne, 2020-08-26 *Oil Spill Dispersants Mechanisms of Action and Laboratory Tests* provides a comprehensive summary of current information available regarding the general formulation of commercial dispersants and their function to lower oil water interfacial tension. The book considers how chemical dispersants work for oil spills, the properties and chemistry of oils including weathering state, the variables that affect dispersant performance, and the relationships between laboratory methods and field situations. The book also considers the strengths and limitations of specific laboratory tests, including brief discussions of the applicability of results for estimating dispersant performance in field trials or conditions encountered during real spill events. Laboratory tests are separated into four groups: tank tests, shake flask tests, interfacial surface tension tests, and flume tests. Rapid screen field tests are considered as a separate group. Recommendations for improvements in future laboratory testing are offered as well. *Oil Spill Dispersants* will be useful for regulators evaluating dispersant agents, field personnel involved with using dispersants, laboratory scientists studying performance and behavior of oil and dispersants, and managers responsible for designing studies related to the treatment of oil slicks with dispersants.

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and physical methods are used to clean up shorelines Also included are the fate and effects of oil spills and means to assess damage Covers spill dynamics and behaviour Definitive guide to spill treating agents Complete coverage of cleanup techniques Includes fate and effects of oil spills and means to assess damage

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The Use of Chemicals in Oil Spill Response Peter Lane,1995 Laboratory work and ecological and operational considerations of using chemical dispersants as responses to oil spills are updated by 11 papers from a symposium in Victoria British Columbia in October 1994 The topics tend to be narrower and deeper than those presented in previous symposia on the

Oil Spill Remediation Ponisseril Somasundaran,Partha Patra,Raymond S. Farinato,Kyriakos Papadopoulos,2014-04-10 This book provides a comprehensive overview of oil spill remediation from the perspectives of policy makers scientists and engineers generally focusing on colloid chemistry phenomena and solutions involved in oil spills and their cleanup First book to address oil spill remediation from the perspective of physicochemical and colloidal science Discusses current and emerging detergents used in clean ups Includes chapters from leading scientists researchers engineers and policy makers Presents new insights into the possible impact of oil spills on ecosystems as well as preventive measures

Surfactants Laurier Lincoln Schramm,Laurier L. Schramm,2000-03-23 This 2000 book provides an introduction to the nature occurrence physical properties propagation and uses of surfactants in the petroleum industry

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EPA National Publications Catalog United States. Environmental Protection Agency,1996

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