

# Experimental Research on the Development of Inorganic Coagulant for the Removal of Wreck Oil by Oil Spill Accident: Oil Removal Examination at the Philippines Gumaras Island

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Oil spills can have a serious economic impact on coastal activities and on those who exploit the resources of the sea. The impact on marine life is compounded by toxicity and tainting effects resulting from the chemical composition of oil, as well as by the diversity and variability of biological systems and their sensitivity to oil pollution.

In August 11, 2006, an oil spill accident happened at the offshore of Negros and Guimaras Island. Generally, it is difficult to remove wreck oil and need much hard labor to scour off. In order to easily remove the oil from the surface of rock, wood and sand, developed inorganic coagulant to insolubilize toxicity inclusion was examined at the site of Gumaras island cooperating with University of Philippines. Also, after treatment, it was investigated about the influence when leaving processed oil in the nature. As the result, it was found that wreck oil is easily removed compare with ordinal method and there is no influence to the environment, i.e. treated oil gradually resolves by the bacteria.



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