

A Clean Solution to Marine Oil Pollution

SpillRemed (Marine)[®]

For Open water Marine Spills

- Acts on weathered oil
- Used as a polishing tool for shoreline cleanup
- Fraction phase solution
- 1 gallon treats about 10 gallons of oil regardless of the amount of water
- Short remediation time
- Reduces operational stress on the spill response team
- Can be used in shallow water spills
- Non-toxic to aquatic life
- Available in 1 Gallon, 5 gallons and 55 gallon drums
- Please contact us for a free quote

Visit www.sarvabioremed.com for more info on our products

Advantages of SpillRemed (Marine)[®]

- Included in NCP list of US EPA.
- Available in a ready-to-use liquid form.
- Effective even after 72 hours on a spill.
- Effective for shoreline cleanup
- Environmentally safe

From Oil to



No Oil



SpillRemed (Marine)

A 'Green' Solution to Marine Oil Pollution

SpillRemed
(Marine)[®]
For Open Water Spills & Shoreline Cleanups



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SpillRemed (Marine)[®]

Bioremediation of Open Water Oil Spills

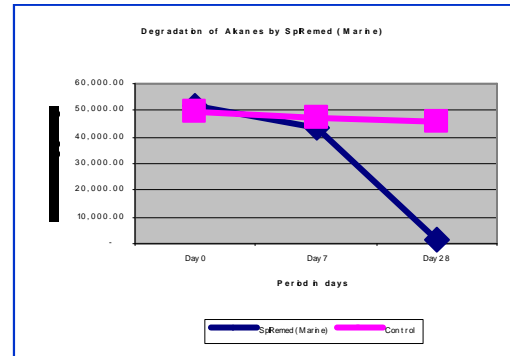
- Included in the National Contingency Product list of US EPA as a bioremediation agent .
- Introduced at any time in the lifecycle of the spill: at the beginning of a spill while the crew is gathering material support to contain the spill or after setting up of recovery facilities.
- SpillRemed (Marine)[®] works on weathered oil providing the safety net in spill response decision making process.
- A multi-tasking bioremediation agent and can also be used for cleanup of polluted shorelines
- Effective polishing tool.
- Cost effective particularly for minor spills and saves considerable amount of time and money.
- First response solution for marinas, boat owners and pipe line operators.

Disclaimer: SpillRemed (Marine)[®] is on the US EPA's NCP Product Schedule. This listing does not mean that EPA approves, recommends, licenses, certifies or authorizes the use of SpillRemed (Marine)[®] on an oil discharge. This listing means only that data have been submitted to the US EPA as required by subpart J of the National Contingency Plan 40 CFR Section 300.915

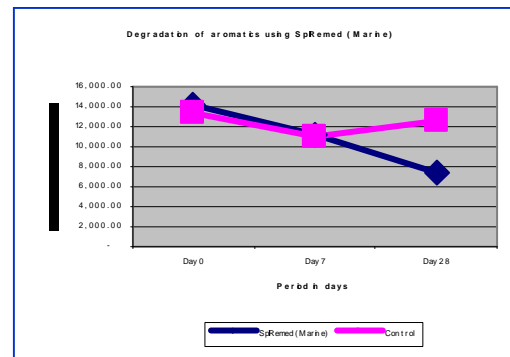
Analysis of Test Report

SpillRemed (Marine) has been evaluated by an independent laboratory as a bioremediation agent as per the protocol laid down by US EPA. The test oil used is Alaska North Slope Crude heated to 54^o C to remove all low boiling fractions of hydrocarbons.

It is seen that at the end of 28 days time period the value of alkanes is reduced by more than 97% as seen below.



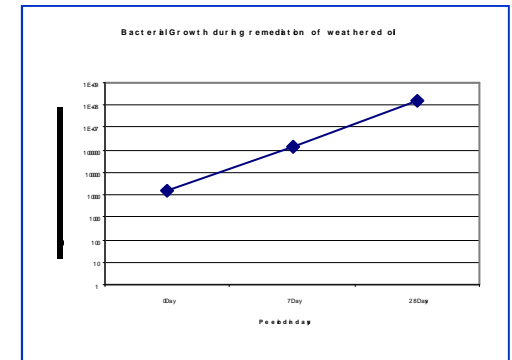
Reduction in aromatics was relatively less and was found to be 41% as seen below.



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Correlation between bacterial growth and oil consumption

The analysis also showed that population of bacteria increase with increase in breakdown of the test oil thus indicating that bacteria play an important role in oil biodegradation (see graph below). The starting population of 16,000/ml became 149,000,000/ml. The population will continue to grow till oil as food is available. Bacteria then die a natural death.



Our Other Bioremediation Products:

AgroRemed	For contaminated soils
VaporRemed	For elimination of fumes
BilgeRemed	Ship board treatment of oily bilge water
SpillRemed (FW)	Industrial applications
HydroRemed	For ground water bioremediation