

Vista Chemical Company

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VISTA

November 4, 1991

Lieutenant Davitt
Charleston Naval Shipyard
Naval Base, Bldg. 1119
Charleston, SC 29408-6100

FAX # 803-743-9384

Dear Lieutenant Davitt:

The information below is provided in response to your questions regarding environmental fate and effect and toxicity information for Vista's ALFONIC® 610-50 Ethoxylate.

As to biodegradation, testing of this material indicates it to be rapidly and extensively biodegradable. The OECD screening test, a standard test for biodegradation potential, indicates a 96.2% DOC removal.

As to aquatic toxicity this product does exhibit some short-term acute aquatic toxicity. In test runs by Vista, a 48-hour LC_{50} of 9.2 mg/l for daphnia magna was demonstrated.

The toxicity data represented on the MSDS is based on data from testing a concentrated solution of the product. It is unlikely that a dilute product, the 1 to 5,000 dilution you mentioned would have resulted in significant eye or skin irritation. However, good handling procedures should be utilized when using the product.

Please call if you have questions on the above.

Sincerely,


Thomas G. Grumbles, C.I.H.
Manager Environmental Affairs

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