



ECOTOXICOLOGY OF IMIDAZOLINE QUATERNARIES

Applicable to these current Stepan products:

ACCOSOFT® 808 ACCOSOFT 980 PG	ACCOSOFT® 808-90	ACCOSOFT 980
----------------------------------	------------------	--------------

Applicable to these inactive Stepan products:

ACCOSOFT® 801	ACCOSOFT® 808 HT	
---------------	------------------	--

Toxicological Information:

<u>Test/Conditions</u>	<u>Results/Classification</u>	<u>References</u>
Aquatic Toxicology:		
Acute Toxicity (bluegill) (96-hour) (river water)	LC ₅₀ = 65 ppm (slightly toxic)	Industry Consortium Data
Acute Toxicity (D. magna) (48 hr.) (river water)	LC ₅₀ = 22 ppm (slightly toxic)	Industry Consortium Data
Acute Toxicity (sheephead minnow) (96 hr.)(marine water)	LC ₅₀ = 1000 ppm (relatively harmless)	Industry Consortium Data
Acute Toxicity (mysid shrimp) (96 hr.)	LC ₅₀ = 1.5 ppm (moderately toxic)	Industry Consortium Data

References:

ACCOSOFT® ; ® are registered trademarks of Stepan Company.

Last Update: 02/26/2003

Revision Reference: TX044-00

Nothing contained herein grants or extends a license, express or implied, in connection with patents, issued or pending, of the manufacturer or others. The information contained herein is based on the manufacturer's own study and the works of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) to the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.