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Acute Fish Toxicity

BTL-74-67 through -72

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C + 25A/11

The accompanying reports contain the results obtained from the 4-day static fish toxicity studies with the following materials:

<u>Product</u>	<u>Lot No.</u>	<u>Report No.</u>
MCS 1238	MIC 200219	BTL-74-67
MCS 1475	MIC 239401	BTL-74-68
MCS 1489	MIC 242386	BTL-74-69
MCS 1588	MIC 267103	BTL-74-70
MCS 1633	MIC 250467	BTL-74-71
MCS 1717	MIC 267149	BTL-74-72

The 4-day LC_{50} values were determined from the raw data according to the method of Weil, C.S. 1952. Biometrics 8(3): 249-263. In order to calculate LC_{50} values from the data, using the above method, necessary assumptions of mortality were made, as indicated below. The following table summarizes the results of these studies.

<u>Product</u>	<u>4-day LC_{50} (ppm):</u>	
	<u>Rainbow trout</u>	<u>Bluegill</u>
MCS 1238	2.0	3.2
MCS 1475	40.0*	>100.0
MCS 1489	3.2	3.2
MCS 1588	3.2	3.2
MCS 1633	2.6	4.0
MCS 1717	1.6	2.6

*Fish mortality assumed to be 100% atna dosage level of 1,000 ppm.

MCS 1475 is considered to elicit a mild to low order of toxicity to rainbow trout and bluegill, respectively. Each of the other MCS products is considered to be moderately toxic to both fish species.

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*rec. reports