Margaret

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Aquatic Toxicity Studies with 5 Pydraul® Materials

BN-77-408 thru 412

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The accompanying reports contain the results obtained from studies with Daphnia magna and the following materials:

(1)	Pydraul 50E	BN-77-408A
(2)	Pydraul 90E	BN-77-409C
(3)	Pydraul 230C	BN-77-410C
(4)	Pydraul 312C	BN-77-411C
(5)	Pydraul MC	BN-77-412C

The following data summarize those results:

	24-hr LC_{50}	48-hr LC_{50}	No-Effect Level (48-hrs)
(1) Pydraul 50E	19.1mg/L	6.7 mg/L	0.78 mg/L
(2) Pydraul 90E	>46	8.3	0.46
(3) Pydraul 230C	>4.6	0.33	0.10
(4) Pydraul 312C	>1.7	0.34	0.13
(5) Pydraul MC	3.46	0.38	0.17

Based on the 48-hour LC_{50} values, Pydraul 50E and Pydraul 90E are considered to be moderately toxic to Daphnia magna when tested under these conditions.

Pydraul 230C, Pydraul 312C, and Pydraul MC are considered to be highly toxic to Daphnia magna when tested under these conditions.

All materials formed an oil stick at the air/water interface due to the insolubility of the materials. Some daphnids became entrapped in the slick. No mention was made as to how these organisms were handled in the calculations of the LC_{50} values.

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*rec. reports

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