

YOUNGER LABORATORIES

INCORPORATED
123 CLIFF CAVE ROAD SAINT LOUIS, MO., 63129
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Toxicologic Investigation of MCS 1547

To: Monsanto Company
St. Louis, Missouri 63166

Lot Number 001-NBP207155

Date 10/2/73

Project No. Y-73-182

ACUTE ORAL TOXICITY				Species Sprague-Dawley Albino Rats			
LD50	2,370	Mg/Kg	95% Confidence Limits 2250 - 2490			Mg/Kg	
CONDITIONS	Fed Undiluted - Single Oral Dose						
Dosage Mg/Kg	Average Initial Weight		Mortality/Dosed			Time of Mortality	
	Male	Female	Male	Female	Combined		
1 2000	220	215	0/2	1/3	1/5	One to three days	
2 2510	220	225	1/3	2/2	3/5		
3 3160	240	225	2/2	1/3	3/5		
4 3980	210	220	2/3	2/2	4/5		
5							
6							
Signs of Intoxication		Reduced appetite and activity (one to three days in survivors), increasing weakness, collapse, and death.					
Gross Autopsy Decedents		Lung and liver hyperemia and acute gastrointestinal inflammation.					
Survivors (7 Days)		Viscera appeared normal					
ACUTE DERMAL TOXICITY				Species New Zealand Albino Rabbits			
LD50	> 2,000	Mg/Kg	95% Confidence Limits ---			Mg/Kg	
CONDITIONS	Applied Undiluted - 24 hours exposure						
Dosage Mg/Kg	Initial Weight		Mortality/Dosed			Time of Mortality	
	Male	Female	Male	Female	Combined		
1 1200	2.5	---	0/1	---	0/1	1 Day 2 Days	
2 2000	---	2.4	---	0/1	0/1		
3 3160	2.6	---	1/1	---	1/1		
4 5010	---	2.3	---	1/1	1/1		
5							
6							
Signs of Intoxication		Reduced appetite and activity (one to two days in survivors), increasing weakness, collapse, and death.					
Gross Autopsy Decedents		Hemorrhagic areas of the lungs and liver, slightly enlarged gall bladder, and gastrointestinal inflammation.					
Survivors (14 Days)		Viscera appeared normal.					
		MONS 021575					