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		TSCA Section	8ECP
Submitting Organization	MONSANTO CO		
Contractor	YOUNGER LABORATORIES		
Document Title	INITIAL SUBMISSION: TOXICOLOGICAL INVESTIGATION OF: 2-HYDROXY-4-ISOPROPYL-2,4,6-CYCLOHEPTATRIEN-1-ONE WITH COVER LETTER DATED 081392		
Chemical Category	2-HYDROXY-4-ISOPROPYL-2,4,6-CYCLOHEPTATRIEN-1-ONE		

8(e)

CAP

9675

(COMPLIANCE AUDIT PROGRAM)

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NOTE: Peter provides data entry in CBITS for the 8(e) CAP Documents.

92 AUG 28 PM 2:22

Monsanto

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August 13, 1992



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Environmental Protection Agency
401 M Street, SW
Washington, DC 20460



Attention: Section 8(e) Coordinator (CAP Agreement)

This submission is pursuant to the TSCA Section 8(e) Compliance Audit Program and CAP Agreement #8ECAP-0036.

The information included herein is characterized as follows:

Chemical Identity - 2-HYDROXY-4-ISOPROPYL-2,4, 6-CYCLOHEPTATRIEN-1-ONE;
CP 78606

Chemical CAS No. - 000499445

Information/Study Type - II,B,2,b/Acute Toxicity/Irritation Study

Information/Study Identification - Toxicological Investigations Of: CP 78606
YO-76-070

Identification of Reportable Endpoint: MODERATELY TOXIC IN AN ACUTE ORAL
TOXICITY STUDY, EYE CORROSIVE

Previous TSCA 8(e) or PMN submissions, if any, for the reference chemical can be found in
Appendix A.

It should be noted that this summary is not all inclusive. Therefore, it may not highlight all
adverse effects that EPA may judge to meet TSCA 8(e) reportability. This submission/report does
not contain confidential business information.

Sincerely,

J. R. Condray
Director, Regulatory Management
(314) 694-8883

CAS NO: 000499445
YOUNGER LABORATORIES
 INCORPORATED
 123 CLIFF CAVE ROAD SAINT LOUIS, MO., 63129

Toxicologic Investigation of: **CP 78606** To: **MONSANTO COMPANY**
 Lot Number **MIC 306373-74** **St. Louis, Missouri**
 Project No. **Y-76-70** Date: **March 15th, 1976**

ACUTE ORAL TOXICITY Species **Sprague-Dawley Albino Rats**
 LD50 **> 50** Mg/Kg 95% Confidence Limits ----- Mg/Kg
 CONDITIONS **Single Oral Dose - 5.0% Suspension In Corn Oil**

	Dosage Mg/Kg	Avg. Initial Weight		Mortalities/Dosed			Time of Mortality
		Male	Female	Male	Female	Combined	
1	50	250	250	0/5	0/5	0/10	Four to eight days
2	500	230	225	5/5	5/5	10/10	
3							
4							
5							
6							

Signs of Intoxication **Reduced appetite and activity (one to three days in survivors), increasing weakness, collapse, and death.**

Gross Autopsy Decedents **Hemorrhagic areas of the lungs and liver and acute gastrointestinal inflammation.**

Survivors (14 Days) **Viscera appeared normal.**

ACUTE DERMAL TOXICITY Species **New Zealand Albino Rabbit**
 LD50 **> 2,000** Mg/Kg 95% Confidence Limits ----- Mg/Kg Exposure **24-Hours**
 CONDITIONS **Applied as a 40.0% Suspension In Corn Oil**

	Dosage Mg/Kg	Initial Weight		Mortalities/Dosed			Time of Mortality
		Male	Female	Male	Female	Combined	
1	2000	---	2.0	---	0/1		
2							
3							
4							
5							
6							

Signs of Intoxication **Reduced appetite and activity (one day).**

Gross Autopsy Decedents

Survivors (14 Days) **Viscera appeared normal.**

MCO 8525469

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The material in this report is to be used in development of the product and may be given to responsible sales contacts, but it is not to be used by them in advertising copy. The source of this material is not to be divulged until it appears in formal publications. No exceptions to the established rule may be made without the approval of the Medical Department in St. Louis. Customers' inquiries regarding matters of toxicity are to be referred as before to the Monsanto Company Medical Department in St. Louis for reply.

ACUTE EYE IRRITATION		Species New Zealand Albino Rabbits													
Irritation Score (24, 48, 72 Hour Avg.)		CORROSIVE						Classification CORROSIVE						Exposure 24-Hours	
Dose and Conditions		100 Mg. applied as Finely Ground Sample													
Hours		1		24		48		72		120		168			
STRUCTURE	Animal Number	CORNEA		CONJUNCTIVAE		CORNEA		CONJUNCTIVAE		CORNEA		CONJUNCTIVAE			
		IRIS	IRIS	IRIS	IRIS	IRIS	IRIS	IRIS	IRIS	IRIS	IRIS	IRIS	IRIS		
	1														
	2														
	3														
	4														
	5														
	6														
Mean Score (X/110.0)															

Comments **Immediate: Discomfort was moderate with eyes tightly closed**
Corneal blistering in three to five days - CORROSIVE

PRIMARY SKIN IRRITATION		Species New Zealand Albino Rabbits																			
Irritation Score (24, 72 Hour Avg.)		0.5						Classification Non-Irritating						Exposure: 24-Hours							
Dose and Conditions		0.5 Gram applied as Finely Ground Sample Moistened with Water																			
Animal Number	HOUR SKIN	ERYTHEMA										EDEMA									
		4		24		48		72		168		4		24		48		72		168	
		I	A	I	A	I	A	I	A	I	A	I	A	I	A	I	A	I	A	I	A
1		0		1		1		0		0		0		0		0		0		0	
2		0		1		1		0		0		0		0		0		0		0	
3		0		1		1		0		0		0		0		0		0		0	
4																					
5																					
6																					

Comments

INHALATION TOXICITY				Species			
Mortality		Initial sample	g	Chamber temperature ...		°C	
Concentration	Mg/L	Recovered sample....	g	Chamber humidity		%	
Exposure	Hrs	Condensed sample ...	g	Chamber volume		L	
Sample temperature ...	°C	Vaporized sample....	g	Air flow rate.....		L/Min	
Signs of Intoxication							
Gross Autopsy							
Decedents							
Survivors (Days)							

MCO 8525470



CERTIFICATE OF AUTHENTICITY

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