To: Monsanto Company
St. Louis, Missouri
Younger Laboratories Certificate of Analysis - Page 5 (1/22/69) - Y-68-135

T A B L E III

SKIN IRRITATION IN RABBITS AFTER APPLICATION OF

'Pydraul 312 (MCS-312) OR-116021'

Sample Applied Undiluted

Animal No. - Sex	Numerical Evaluation At The End Of 1 Hour	24 Hours	48 Hours	72 Hours	120 Hours	168 Hours
1 - Male	0	2	2	1	0	0
2 - Female	0	3	3	2	0	0
3 - Male	0	3	3	1	0	0
Average	0.0	2.6	2.6	1.3	0.0	0.0

DISCUSSION -

The compound was classed as a mild irritant when applied undiluted to intact skin of male and female rabbits.

The average maximum score was 2.6 out of a possible 8 in twenty-four hours.

No skin changes were noted in one hour.
Moderate to marked erythema with no edema was recorded in twenty-four hours.
Gradual improvement was noted in seventy-two hours and all animals received a score of zero in five days.

DSW 156989

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TABLE IV

EYE IRRITATION IN RABBITS AFTER APPLICATION OF
'Pydraul 312 (MCS-312) OR-116021'

Sample (0.1 Milliliter) Applied Undiluted

Animal No. - Sex	Numerical Evaluation At The End Of 1 Hour	24 Hours	48 Hours	72 Hours	120 Hours	168 Hours
1 - Female	8	2	2	0	0	0
2 - Male	10	4	2	0	0	0
3 - Female	8	2	2	0	0	0
Average	8.6	2.6	2.0	0.0	0.0	0.0

DISCUSSION -

The compound was classed as a slight eye irritant in male and female rabbits. The average maximum score was 8.6 out of a possible 110 in one hour.

There was blinking and mild lacrimation immediately following application.

In one hour there was marked redness of the lids and moderate lacrimation.
Lacrimation had ceased and redness reduced to mild in twenty-four hours.
There was no discernible corneal dullness.
Redness had reduced to very slight in forty-eight hours on two animals and disappeared completely on the third.
All animals received a score of zero within seventy-two hours.

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 Medical Department in St. Louis for reply.

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