

HAZLETON LABORATORIES PROJECT SHEET

PROJECT SHEET NO. <u>1</u>		PROJECT NO. <u>201-238</u>	
		PROJECT COORDINATOR Busey/Broughton	DATE February 27, 1969
COMPOUND(S) See Below		LOT NO(S).	RECEIPT DATE 2-17-69
		LH-NUMBER(S) 12,520A through 12,545A inclusive	
DIVISIONS PARTICIPATING Toxicology		DISTRIBUTION: HASKELL LABORATORIES CENTRAL FILE (2) EACH DIV. PARTICIPATING EACH DIV. DIRECTOR	
ACCOUNTING PROJ. COORD. BIOMETRICS			
PHYSICAL AND CHEMICAL PROPERTIES			
SPECIAL PRECAUTIONS (INDICATE PERSONNEL HAZARDS, PROTECTIVE INSTRUCTIONS)			
REFERENCE INFORMATION			
PROGRESS REPORTS DUE	FINAL REPT DUE On completion	INITIALS WMB:sjh	SIGNATURE (PROJ. COORDINATOR) <i>WMB</i>

EXPERIMENTAL WORK to be performed in Acute Toxicology.

Part I - Perform acute eye irritation studies on the following compounds according to the procedure below:

	<u>LH No.</u>	<u>HASKELL NO.</u>	<u>APPEARANCE</u>
MR 581-315	12,520A	5908	White Powder
581-316	12,521A	5909	White powder
581-313	12,522A	5910	Red-brown liquid
581-318	12,523A	5913	White powder
581-321	12,524A	5919	White powder
581-326	12,525A	5920	White powder
581-271	12,526A	5989	Black powder

MR 1172-1

Experimental Procedure

- Place 10 mg. of solid or 0.1 ml. of undiluted liquid into one conjunctival sac of each of two rabbits and close eyelids.
- Twenty (20) seconds after instillation one eye is washed with tap water for one (1) minute. The other eye is not washed.
- The untreated eye of each rabbit is used as a control.
- A second pair of rabbits is similarly treated with the test material as a 10% solution or suspension in propylene glycol.
- All eyes are examined at one (1) and four (4) hours, and at one (1), two (2), three (3), and seven (7) days.

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6. The examinations at one (1) and four (4) hours are to be done with the aid of fluroescein stain.

Report

These studies are to be reported separately using the short DuPont format. They are to be reported individually as soon as each compound has been tested.

Part II - The following mixtures are to be prepared according to the instructions below and tested for acute eye irritation:

- M.R. 1172-1*
- Mixture 1 - Mix 20 parts by volume of A (H 5931, LH No. 12,527A) with 20 parts B (H 5932, LH No. 12,528A) and 1.55 parts of C (H 5933, LH No. 12,529A). Increase volume of ABC Mixture by 10% with D (H 5934, LH No. 12,530A) and let stand for 30 minutes before using.
- Mixture 2 - Mix 6.9 parts by weight of A (H 5935, LH No. 12,531A) with 2.67 parts of B (H 5936, LH No. 12,532A) and 0.43 parts of C (H 5937, LH No. 12,533A).
- Mixture 3 - Mix 1 part by volume of A (H 5938, LH No. 12,534A) with 1 part B (H 5939, LH No. 12,535A) and let stand 30 minutes before using.
- Mixture 4 - Mix 1 part by volume of A (H 5940, LH No. 12,536A) with 1 part B (H 5941, LH No. 12,537A). Let stand 1 hour and thin 10% with C (H 5942, LH No. 12,538A) solvent.
- Mixture 5 - Mix 10 volumes of A (H 5943, LH No. 12,539A) with 1 volume of B (H 5944, LH No. 12,540A); agitate during mixing.
- Mixture 6 - Mix 7.1 parts by weight of A (H 5945, LH No. 12,541A) with 2.35 parts of B (H 5946, LH No. 12,542A) and 0.55 parts of C (H 5947, LH No. 12,543A).
- Mixture 7 - Thin A (H 5948, LH No. 12,544A) 15% by volume with B (H 5949, LH No. 12,545A).

Experimental Procedure

These mixtures are to be tested according to the procedure described in Part I with the exception that four (4) rabbits will be used to test the undiluted mixture. Also these mixtures will not be tested as 10% solutions in propylene glycol.

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Report

The results from each of these mixtures will be reported separately as soon as each one has been completed. Use the DuPont short format for reporting.

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