

February 13, 1969

Dr. William Busey, DVM
 Hazleton Laboratories, Inc.
 P. O. Box 30
 Falls Church, Virginia 22046

Dear Bill:

In accordance with our discussion, we should like to have 14 samples tested on rabbit eyes by the usual Haskell procedure. Seven tests are to be run with individual samples and seven tests with mixtures of samples submitted. The samples given to you today are as follows:

Part I (MR-581)

<u>H. No.</u>	<u>Compound No.</u>	<u>MR No.</u>	<u>Appearance</u>	<u>Oral ALD (Rats)</u>
5908	INU-1475	581-315	White powder	Not known
5909	INU-1007	581-316	White powder	Not known
5910	INN-633-1	581-313	Red-brown liquid	> 7500 mg/kg
5913	INK-1548	581-318	White powder	1500 mg/kg
5919	INR-1775-1	581-321	White powder	Not known
5920	INR-1559-1	581-320	White powder	Not known
5989	INB-1412	581-271	Black powder	Not known

Part II (MR-1172-1)

Mixture 1	Haskell Nos. 5931, 5932, 5933, 5934
Mixture 2	Haskell Nos. 5935, 5936, 5937
Mixture 3	Haskell Nos. 5938, 5939
Mixture 4	Haskell Nos. 5940, 5941, 5942
Mixture 5	Haskell Nos. 5943, 5944
Mixture 6	Haskell Nos. 5945, 5946, 5947
Mixture 7	Haskell Nos. 5948, 5949

The above mixtures represent different kinds of enamels, and we wish to know what the eye hazard is at the time of use. Therefore, they must be made up according to the following instructions which differ for each mixture with respect to amounts and time of aging before use.

February 13, 1969

- Mixture 1 Mix 20 parts by volume of A (H 5931) with 20 parts B (H 5932) and 1.55 parts of C (H 5933). Increase volume of ABC Mixture by 10% with D (H 5934) and let stand for 30 minutes before using.
- Mixture 2 Mix 6.9 parts by weight of A (H 5935) with 2.67 parts of B (H 5936) and 0.43 parts of C (H 5937).
- Mixture 3 Mix 1 part by volume of A (H 5938) with 1 part B (H 5939) and let stand 30 minutes before using.
- Mixture 4 Mix 1 part by volume of A (H 5940) with 1 part B (H 5941). Let stand 1 hour and thin 10% with C (H 5942) solvent.
- Mixture 5 Mix 10 volumes of A (H 5943) with 1 volume of B (H 5944); agitate during mixing.
- Mixture 6 Mix 7.1 parts by weight of A (H 5945) with 2.35 parts of B (H 5946) and 0.55 parts of C (H 5947).
- Mixture 7 Thin A (H 5948) 15% by volume with B (H 5949).

The test procedure for the eyes involves placing 10 mg of solid or 0.1 ml of undiluted liquid into one conjunctival sac of each of two rabbits and closing the eyelids. Twenty seconds after instillation one eye is washed with a gentle stream of tap water for one 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. This method should be used as described for the first seven samples. In the case of the mixtures, rather than testing a propylene glycol dilution, test each mixture in two eyes.

The eyes are examined at one and four hours and at one, two, three and seven days, or as considered necessary. Examinations after the day of treatment should be made with the aid of fluorescein stain and a hand slit lamp or biomicroscope.

If there are any unforeseen difficulties, please call me at 302-366-3531. Since these are all priority items, we shall appreciate hearing the results as soon as possible.

Sincerely yours,

ORIGINAL SIGNED BY

D. B. HOOD

Dorothy B. Hood

Chief, Dermal and Ocular Toxicology Section

DBH:dhg