

Data Evaluation Report IV-1

CHEMICAL: Cyromazine; TOX Chemical #167B

TEST MATERIAL: Armor; Triguard 5% SC-C

STUDY TYPE: Primary Eye Irritation; Rabbit

STUDY IDENTIFICATION: Rabbit Eye Irritation, Triguard 5% SC-C FL830406. B.F. Cannelongo, Stillmeadow Inc., Houston, TX, Project No. 2938-83, April 12, 1983. Study sponsor: CIBA-GEIGY Corp., Greensboro, NC. EPA Accession No. 073074.

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TOX CATEGORY: III

CORE CLASSIFICATION: Guideline

CONCLUSIONS: Triguard 5% SC-C produced a minimal irritation in washed and unwashed eyes which was reversible at 4 days after treatment.

MATERIALS: Triguard 5% SC-C FL 830406; from CIBA-GEIGY Corp., Greensboro, NC; purity not specified

Young adult New Zealand White rabbits, from Ray Nichols Rabbitry, Lumberton, TX.

PROTOCOLS: Undiluted test material at 0.1 ml was introduced into the lower conjunctival sac of the right eye of 6 male and 3 female rabbits. Eyelids were held together for 1 second. At 30 seconds after dosing, the treated eyes of 3 of the male rabbits each were washed for 1 minute with deionized water (at room temperature). Eyes were examined and scored according to the method of Draize at 1, 24, 48, and 72 hours, and at 4 and 7 days after treatment. Corneal stippling and necrosis or ulceration of palpebral and bulbar conjunctivae also were evaluated. At 24 hours, and at subsequent sampling intervals, the retention of fluorescein dye was followed to detect possible corneal ulceration in treated eyes.

REPORTED RESULTS: Mild conjunctival redness and chemosis (obvious conjunctival swelling with partial eversion of the lids) was observed for up to 72 hours in washed and unwashed eyes. Discharge (with moistening of the lids and hairs and considerable area around the eye) was noted for up to 48 hours in washed and unwashed eyes. No corneal or iris associated abnormalities were observed. The maximum average Draize score was 10.0 (mildly irritating) for non-washed eyes and was 11.0 (mildly irritating) for the washed eyes. No signs of irritation were observed at the 4 day observation period.