

Data Evaluation Report V-1

CHEMICAL: Cyromazine; TOX Chemical #167B

TEST MATERIAL: Armor; Triguard 5% SC-C

STUDY TYPE: Primary Dermal Irritation; Rabbit

STUDY IDENTIFICATION: Rabbit Skin Irritation, Triguard 5% SC-C FL-830406. B.F. Cannelongo, Stillmeadow Inc., Houston, TX, Project No. 2939-83, April 12, 1983. Study sponsor: CIBA-GEIGY Corp., Greensboro, NC.; EPA Accession No. 073074.

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TOX CATEGORY: IV

CORE CLASSIFICATION: Guideline

CONCLUSION: Triguard 5% SC-C was minimally irritating when applied to intact or abraded skin at 0.5 ml.

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

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

PROTOCOLS: At approximately 24 hours prior to treatment, the trunks of 6 male rabbits were clipped free of hair. Just prior to treatment, two longitudinal and two intersecting lateral epidermal abrasions (approximately 2 cm apart) were made on two of four skin sites on each animal. There were at least 5 cm separating each test site. Abrasions were made with an hypodermic needle and penetrated the stratum corneum but not the derma. One-half milliliter of the undiluted test substance was applied under a gauze pad to each test site. Gauze pads were then secured to the animals with tape and the trunks each were wrapped in polyethylene film. At 24 hours after treatment, all wrappings and pads were removed and test material was removed by wiping. Skin was evaluated according to the method of Draize at 24 and 72 hours after the initial treatment.

REPORTED RESULTS: No symptoms of irritation were observed on intact skin at 24 and at 72 hours. Barely perceptible erythema was noted at 7 abraded sites on 3 different rabbits at 24 hours. Also at 24 hours, slight edema was observed at one abraded site of a single rabbit. At 72 hours, no signs of dermal irritation were observed. The primary irritation score was determined to be 0.21 (minimally irritating), and was derived from a mean irritation grade of 0.00 for intact skin and 0.42 for abraded skin.

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