DATA REVIEW FOR ACUTE EYE IRRITATION TESTING (§81-4)

Product Manager: (21) | 6(a)2 data |
Reviewer: ~~M. Walter~~ Woodrow
MRID No.: 416784-02
Report Date: 2-12-91
Testing Laboratory: RCC Res. & Consulting Co. AG
Report No. 273115
Author(s): L. Ullmann, T. Paricello, Th. Jaulak
Species: Rabbit, N.Z. White
Sex: 3M & 3F
Weight: M: 2.7-3.1, F 2.5-3.2 kg.
Source: BRL, Biological Res. Labs., LTD., Fuellinsdorf
Dosage: 3@ .1ml 100%, 3@ .1ml 10%, 3@
Test Material: RON, Ro 17-0099/000 (copper-8-quinolinolate) 98.5% pure
Quality Assurance (40 CFR §160.12): adequate

Summary:

Tox. Category: I Classification: Guidelines

Procedure (~~Deviation From §81-4~~): 3F & 3M used. Applied to conjunctival sac. 3M dos: 0.1ml undiluted to left eyes, 0.1ml 10% to right eyes. 3F left eyes each received 0.1ml 1%. Eyes examined @ 1, 24, 48, 72 hrs, 7, 14 & 21 days post-treat & scored for irritation according to OECD

Results: Guidelines for testing chemicals, sec. 4 #405, Feb. 24, 1987.

Observations (number "positive"/number tested)

NOTE: data reported in Table only represents 3 male Cornea left eyes (undiluted test material)

	Hour	Days						
	1	1	2	3	4	7	14	21
Cornea Opacity (undiluted)	3/3 1.0	3/3 2.0	3/3 2.0	3/3 2.0		3/3 1.0	3/3 1.0	3/3 1.0
Iris	0/3	3/3 1.0	2/3 1.0	1/3 1.0		1/3 1.0	0/3	0/3
Conjunctivae Redness	3/3 2.0	3/3 2.0	3/3 2.0	3/3 2.0		3/3 2.0	2/3 2.0	1/3 1.0
Chemosis	3/3 2.0	3/3 2.0	3/3 2.0	3/3 2.0		2/3 1.0	0/3	0/3
Discharge								

Max. possible scores: Cornea - 4, Iris - 2, redness - 3, chemosis - 4, possible total = 13

Comments: The 3 left eyes (.1ml undiluted), were only treated eyes considered - is necessary to assess maximum hazardous effect(s). NOTE: Corneal opacity and conjunctival redness present through day 21.

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