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DATA EVALUATION REPORT

STUDY TYPE: Eye Irritation Study in Rabbits.

TOX. CHEM. NO.: New Chemical 129032

ACCESSION NUMBER: D179381

MRID NO: 421783-05; Amended MRID #41827-14.

TEST MATERIAL: (2-[1-methyl-2-(4-phenoxyphenoxy) ethoxy] pyridine. ~~ppppppppp~~

SYNONYMS: Sumilarv; S-31183.

STUDY NUMBER(S): GLN 81-4.

SPONSOR: Sumitomo Chemical Co., Osaka, Japan.

TESTING FACILITY: Sumitomo Chemical Company, Limited. 5-33, Kitahama 4-Chome, Chuo-Ku, Osaka, Japan.

TITLE OF REPORT: Sumilarv -- Acute oral toxicity of S - 31183 in Rats. (Original report written in Japanese, translated by Takachi Suzuki, May 14, 1987.)

AUTHOR(S): Takashi Suzuki

REPORT ISSUED: Number NNT-70-0022, January 27, 1987

GLP Review: Masanori Takatsuka, Jan. 21, 1987. Study carried out under the guidelines of the Ministry of Agriculture, Forestry and Fisheries, Japan (1985).

CONCLUSIONS:

The application of one hundred mg of Sumilarv applied to the eyes of 6 rabbits produced mild ocular reactions including redness, chemosis and discharge up to 24 hours. The reactions cleared by 24 hours. Sumilarv was classified as a mild irritant.

ACCEPTABLE

CLASSIFICATION: Mild irritant. ~~Core Minimum~~ study. The investigators did not use fluorescein staining or slit lamp to examine the corneas for any erosion. TOX CATEGORY - IV

A. MATERIALS:

1. Test compound: S-31183, Technical. Description: White solid, manufactured by Sumitomo Chemical Co. Batch # PTG-86011. Purity: 97.2 %. Impurities noted in composition statement.

2. Test animals: Species: Rabbits. Strain: New Zealand White. Age: six weeks. Weight: 2.26 to 2.78 Kg. Source: Nihon Dobutsu, Co, Osaka.

Housing: Rabbits were housed in individual cages under standard laboratory conditions and given food and water ad libitum.

B. STUDY DESIGN:

Three males and three female rabbits were used. One hundred mg of the Sumilarv (dry powder, assumed) was place on the everted lower lid of one eye of each animal and the eye lids held closed for one second. The other eye served as a control. The eyes were examined and scored by the Draize method[1] for ocular lesions at 1, 24, 42 and 72 hours after the application of the Sumilarv.

C. RESULTS:

The eye reactions were classified according to the method of Kay and Calandra[2]. The incidence of eye reactions was summarized in Table 6, page 12 from the report (attached). There were conjunctival reactions mild to moderate in 6 animals of both sexes at 1 and 24 hours which cleared up by 48 hours. There were no opacities or congestion of the irises.

References.

1. Draize, J.H., et al (1944). J. Pharmacol. Exp. Therap., 82: 377-390.

2. Kay, J. H. and Calandra, J. C. (1962). J. Soc. Cosmet. Chem. 13: 281-289.

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Pyriproxyfen

RIN 4445-96 P.C. 129032

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