

US EPA ARCHIVE DOCUMENT

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DATA EVALUATION REPORT

STUDY TYPE: Skin 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.

SYNONYMS: Sumilarv; S-31183.

STUDY NUMBER(S): GLN 81-5. (Carried out by the guideline of the Ministry of Agriculture, Forestry and Fisheries, Japan)

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.

CONCLUSIONS:

Five hundred mg of Sumilarv was applied to abraded and intact skin of the back of 6 rabbits for 4 hours. No reactions (erythema or edema) were observed over the next 48 hours.

CLASSIFICATION: Non-Irritant. ~~Core Guideline.~~ Tox CAT IV  
ACCEPTABLE

A. MATERIALS:

1. Test compound: S-31183, Technical. Description: White solid, manufactured by Sumitomo Chemical Co. Batch # PTG-86011. Purity: 97.2 %, Impurities are 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 offered food and water ad libitum.

B. STUDY DESIGN:

The hair on the backs of three males and three female rabbits was clipped on both sides of the median line (ca. 15 x 15 cm). One sided of the clipped skin area was abraded using a 18 G needle. Five hundred mg of the Sumilarv dry powder was spread on a 2.5 x 2.5 cm lint patch and moistened with a small amount of water. The lint patch with the Sumilarv was then applied to the abraded and intact skin areas and covered with an occlusive tape held in place for 4 hours. At the end of the four hour period, the patch was removed and the skin wiped with cotton moistened with water. The reaction of the skin was scored at 4.5, 24, 48 and 72 hrs. from the application time using the method of Draize<sup>1</sup>.

C. RESULTS:

The resulting scores of the skin reactions were summarized in Table 8, page 14 (attached). There were no signs of irritation (erythema or edema) in any of the animals at any of the evaluation times.

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

Pyriproxyfen

RIN 4445-96

P.C. 129032

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Pages \_\_\_\_\_ through \_\_\_\_\_ are not included.

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