

US EPA ARCHIVE DOCUMENT



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

DEC - 1 1988

006942

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM:

SUBJECT: RAID Roach Controller II - Acute Oral Toxicity  
Study in Rats

TO: Michael Mendelsohn  
Product Manager (17)  
Registration Division (TS-767C)

FROM: Linda L. Taylor, Ph.D. *Linda L. Taylor 11/29/88*  
Toxicology Branch II, Section II  
Health Effects Division (TS-769C)

Thru: James Rowe, Ph.D. *James N. Rowe 11/29/88*  
Toxicology Branch II, Acting Head Section II  
Health Effects Division (TS-769C)

and

Marcia van Gemert, Ph.D. *Marcia van Gemert 11/30/88*  
Acting Chief, Health Effects Division (TS-769C)

Registrant: Griffin Corporation  
Chemical: N-ethyl perfluorooctane sulfonamide  
Synonyms: GX-071  
Project: 9-0335  
Caswell No.: 454E  
Record No.: 406903-02

Action Requested: No action was specified; one acute study was attached to tracking form along with an EPA Confidential Statement of Formula and a Front and Back Panel of the product - RAID Roach Controller II.

The acute study has been reviewed, and the DER is attached.

Acute oral toxicity in rats - test article 6846D3, dated May 18, 1988. No deaths were observed following oral (gavage) exposure of male and female rats to 5000 mg/kg and a 14-day observation period. The study is classified as supplemental, pending identification of the test article.

Reviewed by: Linda L. Taylor, Ph.D.  
Tox. Branch II, Section II (TS-769C)  
Secondary Reviewer: James N. Rowe, Ph.D.  
Acting Head, Section II, Tox. Branch II (TS-769C)

*Linda Taylor 11/29/88*  
*James N. Rowe 11/29/88*

DATA EVALUATION REPORT 006942

STUDY TYPE: Acute oral LD<sub>50</sub> - rats TOX CHEM NO: 454E

MRID NUMBER: 406903-02

TEST MATERIAL: N-Ethyl Perfluorooctanesulfonamide (active ingredient)  
RAID Roach Controller II

SYNONYMS: Biostop; GX-071

STUDY NUMBER: G2.12

SPONSOR: S.C. Johnson & Son, Inc.

TESTING FACILITY: Toxicology Research Laboratory, University of Illinois

TITLE OF REPORT: Acute Oral Toxicity Study in Rats

AUTHORS: Barry S. Levine, D.Sc., D.A.B.T.

REPORT ISSUED: May 18, 1988

QUALITY ASSURANCE: A quality assurance statement was provided.

CONCLUSIONS: No deaths occurred following oral exposure to 5 grams/kg.

CLASSIFICATION: Core supplementary, pending identification of the test article.

A. MATERIALS:

1. Test Compound: 6846D3  
Description: none provided  
Batch #: not provided  
Purity: not specified; property of Sponsor
2. Test Animals:  
Species: rats, both sexes  
Strain: Sprague-Dawley  
Age: 5 weeks old  
Weight: males: 220-239 g; females: 144-155 g  
Source: Charles River Breeding Laboratories

Study Design: Five (fasted) rats per sex were given a dose (5000 mg/kg) of test material (as a 128 mg/ml suspension in aqueous 0.5% Na+ carboxymethylcellulose/0.3% Tween 80) by intragastric intubation at a dosing volume of 13 ml/kg in 3 equally divided doses two hours apart. Food was

withheld until after the third dose. All animals were observed at least 3 times on Test Day 1 following exposure. Body weights were obtained in Week 1, and on Test days 1, 8, and 15. All test animals were sacrificed after the 14-day observation period and subjected to a gross necropsy.

Results: There were no deaths during the study, and there were no signs of toxicity. All animals gained weight during the study, and there were no treatment-related lesions reported at necropsy. The females showed a slight decrease in body weight between pre-test levels and Day 1 of treatment.

Conclusion: The author concluded that a dose of 5 mg/kg produced no evidence of any treatment-related toxicity.

It is noted that no information on the test article is provided in this final report; a statement is made that this information is the responsibility of the Sponsor. Appended to this Project (#9-0335) is an EPA Confidential Statement of Formula form in which the active ingredient (GX-071) is said to be 98% and is contained in the product (RAID Roach Controller II) in the amount of 1% by weight. Before a final assessment can be made, the Registrant/Producer should provide documentation relating the Test Article 6846D3 to RAID Roach Controller II and Biostop, for the record.