8EHQ-0597-13929

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and Development

May 9, 1997

Via Federal Express

8EHQ-97-13929

Document Processing Center (7407)
Attention: 8 (e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
401 M Street SW
Washington, DC 20460-0001

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Dear 8(e) Coordinator:

d-Limonene (CAS# 5989-27-5)
Mineral Spirits (CAS# 64741-65-7)
Isopropanol CAS# 67-63-0

This letter is to inform you of the results of a recently conducted acute oral approximate lethal dose (ALD) study in rats with a mixture of the above referenced materials in water. One male Crl:CD®Br rat each was dosed at 670, 2300, 3400, 5000, 7500, or 11,000 mg/kg. No deaths occurred. The ALD is greater than 11,000 mg/kg.

The test material contains 48.7% d- limonene, 39.0% mineral spirits, 9.7% isopropanol, and 2.6% water. Weight loss of approximately 3-8% of initial body weight occurred by the day after dosing in rats dosed at 670, 2300, or 3400 mg/kg. The rat dosed at 5000 mg/kg exhibited lethargy, low posture, low carriage, ruffled fur, and weight loss of approximately 9% of initial body weight by the day after dosing. Yellow-stained perineum was observed in this rat 2 days after dosing. The rat dosed at 7500 mg/kg exhibited lethargy, incoordination, yellow-stained perineum, and weight loss of approximately 15% of initial body weight by 2 days after dosing. Wet and yellow-stained perineum, lethargy, incoordination, low or hunched posture, low carriage, and weight loss of approximately 14% of initial body weight was observed by 2 days after dosing in the rat dosed at 11,000 mg/kg. Clinical signs were absent by 3 days after dosing.

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Under these experimental conditions, the clinical observation of incoordination as described above appears to be reportable, based upon EPA guidance regarding the reportability of such data under TSCA Section 8(e) criteria.

Sincerely,

A. Michael Kaplan

A. Michael Kaplan, Ph.D.
Manager - Regulatory Affairs

AMK/CF:jat
(302)366-5260

Best Available Copy