

IRB/ISS PRECAUTIONARY LABEL REVIEW

PM: 16

OUT: 1-25-88

EPA REG NO: 42697-1

IN PLR: 08-24-87

PRODUCT NAME: SAFER INSECTICIDAL SOAP
CONCENTRATE

DUE: 11-24-87

AC: 301

RN: 200429/30

COM: NAC

COMPANY NAME: SAFER, INC.
60 William St.
Wellesley, MA 02181

FORMULATION: POTASSIUM SALTS OF FATTY ACIDS 49.0%
INERT INGREDIENTS 51.0%

INTRODUCTION

Registrant submits data in response to Agency letter of April 28, 1987.

USES

Indoor and outdoor flower and ornamental spray to control label specified insects. Product is diluted with water for use.

SUBMITTED DATA

Acute oral LD50 study and revised product labeling.

CONCLUSIONS

1. Data submitted is acceptable, the product was assigned the following category.

ACUTE ORAL LD50 CORE GUIDELINE IV MRID# 402604-01

2. Product labeling is not acceptable.

A) Either make "FIRST AID and ENVIRONMENTAL HAZARDS" centered subheadings or these headings should be done in a bolder print.

Dona Williams

DONA WILLIAMS
PL/TSS

TEST FORMULATION: 50% INSECTICIDAL SOAP

TEST LABORATORY: NUCRO-TECHNICS
2000 ELLEMERE ROAD
SCARBOROUGH, ONT. M1H 2W4

STUDY SUMMARIES

1. ACUTE ORAL LD50 MRID# 402604-01
Study Number 43366 Study Initiated: 2-18-86
Health Assessment Guideline (81-1)
Deviations from guideline: None.

LEVELS TESTED: Groups of 5M & 5F Wistar rats: 10, 12.5, 14, 15.6, 19.5, or 24.4 GM/KG undiluted. Oral gavage. 14 day observation period.

TOXIC SIGNS: Piloerection, apathy, lethargy, bradypnea, cyanosis, and coma.

NECROPSY: Congested kidneys.

LD50 MALES 19.7 G/KG (11.3-29.1) 95% C.L.

FEMALES 15.7 G/KG (10.2-21.9) 95% C.L.

COMBINED 17.3 G/KG (10.7-23.6) 95% C.L.

CORE CLASSIFICATION: GUIDELINE

TOXICITY CATEGORY: IV

DOSE	PERCENT	MORTALITY
MG/KG	MALES	FEMALES
10.0	0	0
12.5	0	0
14.0	0	20
15.6	60	80
19.5	60	100
24.4	80	100