DATA REVIEW FOR ACUTE DERMAL TOXICITY TESTING (OPPTS 870.1200)

Product Manager: 33
MRID No.: 481955-03

Reviewer: CSC and Ian Blackwell
Completion Date: April 19, 2010
Study No.: 28647

Testing Laboratory: Eurofins | PSL, Dayton, NJ
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Quality Assurance (40 CFR §160.12): A Quality Assurance (QA) statement was included. A statement of Good Laboratory Practice (GLP) compliance was included stating that this study meets the requirements of 40 CFR Part 160: U.S. EPA (FIFRA).

Test Material: Ygiene 206, Batch #: 9001F1 / Colorless clear liquid
Dosage: 5,000 mg/kg (applied as received)

Species: 10 Rats; Sprague-Dawley derived, albino
Sex: 5 Males and 5 Females. Females were nulliparous and non-pregnant.
Age: Young adult (8-9 weeks old)
Weight: Males: 219-239 grams; Females: 184-200 grams; at experimental start
Source: Ace Animals, Inc., Boyertown, PA
Housing: Temperature Range: 20-23°C
Humidity Range: 50-66%
Photoperiod: 12-hour light/12-hour dark cycle
Acclimation: 7 days

Summary:

1. **Acute Dermal LD_{50} (mg/kg)**: Male and Female Rats: >5,000 mg/kg

2. **The estimated acute dermal LD_{50} is** greater than 5,000 mg/kg in male and female rats.

3. **Toxicity Category**: IV **Classification**: Acceptable

Procedure (Deviations from 870.1200):

- No procedure deviations were reported.
- The guidelines state that body weight changes should be calculated and recorded when survival exceeds one day. Individual body weights of test animals were recorded; however, body weight changes were not reported.

Results:

Reported Mortality

Dose Level (mg/kg)	Number Dead / Number Tested		
	Males	Females	Total
5,000	0 / 5	0 / 5	0 / 10

Observations:
All animals survived exposure to the test substance and gained body weight during the study. Following application, three male animals and all of the female animals exhibited red urine and/or ano-genital staining, but recovered from these symptoms by Day 3, and, along with the other animals, appeared active and healthy for the remainder of the 14-day observation period. No dermal irritation was observed at any dose site.

Gross Necropsy Findings:
No gross abnormalities were noted for any of the animals when necropsied at the conclusion of the 14-day observation period.