

## 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<sub>50</sub> (mg/kg):** Male and Female Rats: >5,000 mg/kg
- 2. The estimated acute dermal LD<sub>50</sub> 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**

| <b>Dose Level<br/>(mg/kg)</b> | <b>Number Dead / Number Tested</b> |                |              |
|-------------------------------|------------------------------------|----------------|--------------|
|                               | <b>Males</b>                       | <b>Females</b> | <b>Total</b> |
| 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.