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  
Author: Jennifer Durando, B.S.

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 LD₅₀ (mg/kg): Male and Female Rats: >5,000 mg/kg
2. The estimated acute dermal LD₅₀ 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:

<table>
<thead>
<tr>
<th>Dose Level (mg/kg)</th>
<th>Reported Mortality</th>
<th>Number Dead / Number Tested</th>
</tr>
</thead>
<tbody>
<tr>
<td>5,000</td>
<td></td>
<td>Males</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0 / 5</td>
</tr>
</tbody>
</table>

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.