

US EPA ARCHIVE DOCUMENT

1-LEC0-11U  
2/1/99

MRID No. 446833-01

DATA EVALUATION RECORD  
S 141-1 - HONEY BEE CONTACT LD<sub>50</sub> TEST

1. **CHEMICAL:** Petroleum distillate PC Code No.: 063503
2. **TEST MATERIAL:** GB-1111 Purity: 98.75%
3. **CITATION:**  
Authors: K.A. Hoxter, S.J. Palmer and H.O. Krueger  
Title: GB-1111: An Acute Contact Toxicity Study with the Honey Bee  
Study Completion Date: October 13, 1998  
Laboratory: Wildlife International Ltd., Easton, MD  
Sponsor: Golden Bear Oil Specialties, Inc., Los Angeles, CA  
Laboratory Report ID: 481-104  
DP Barcode: D251269  
MRID No.: 446833-01

4. **REVIEWED BY:** Mark A. Mossler, M.S., Toxicologist,  
Golder Associates Inc.

**Signature:**  **Date:** 1/28/99

**APPROVED BY:** Pim Kosalwat, Ph.D., Senior Scientist,  
Golder Associates Inc.

**Signature:** P. Kosalwat **Date:** 1/28/99

5. **APPROVED BY:**

**Signature:** **Date:**

6. **STUDY PARAMETERS:**

**Scientific Name of Test Organism:** *Apis mellifera*  
**Definitive Study Duration:** 48 hours

7. **CONCLUSIONS:** This study is scientifically sound and fulfills the requirements of an acute contact bee toxicity test. Based on nominal concentration, an LD<sub>50</sub> of >25 µg ai/bee classifies GB-1111 as practically non-toxic to the honey bee.

**Results Synopsis:**

LD<sub>50</sub>: >25 µg ai/bee  
NOEL: 25 µg ai/bee

95% C.I.: N/A  
Probit Slope: N/A