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June 8, 2006

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United States Environmental Protection Agency - East  
Attn: TSCA Section 8(e)  
Room 6428  
1201 Constitution Avenue, NW  
Washington, DC 20004

**Subject:** Notice in Accordance with Section 8(e): Results of Acute Toxicity Studies in Honeybees  
(*Apis mellifera*) with Alpha-cypermethrin (CAS No. 67375-30-8)

Dear Sir/Madam:

BASF Corporation is submitting results of eight acute toxicity studies in honeybees (*Apis mellifera*) with alpha-cypermethrin (CAS No. 67375-30-8) conducted by BASF Aktiengesellschaft, Ludwigshafen, Germany. The substance is an experimental insecticide.

The acute honeybee results are as follows:

Test Substance	Indication	Study Results
Alpha-cypermethrin	Study in honeybee ( <i>Apis mellifera</i> ) acute	LD 50 (contact, 48 h) = 0.030 µg a.i./bee LD 50 (oral, 48 h) = 0.246 µg a.i./bee
Alpha-cypermethrin (mixture # 1)	Study in honeybee ( <i>Apis mellifera</i> ) acute	LD 50 (contact, 48 h) = 0.132 µg a.i./bee LD 50 (oral, 48 h) = 0.249 µg a.i./bee
Alpha-cypermethrin (mixture # 2)	Study in honeybee ( <i>Apis mellifera</i> ) acute	LD 50 (contact, 48 h) = 0.058 µg a.i./bee LD 50 (oral, 48 h) = 0.226 µg a.i./bee



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Alpha-cypermethrin (mixture # 3)	Study in honeybee (Apis mellifera) acute	LD 50 (contact, 48 h) = 0.081 µg a.i./bee LD 50 (oral, 48 h) = 0.940 µg a.i./bee
Alpha-cypermethrin (mixture # 4)	Study in honeybee (Apis mellifera) acute	LD 50 (contact, 48 h) = 0.052 µg a.i./bee LD 50 (oral, 48 h) = 0.163 µg a.i./bee
Alpha-cypermethrin (mixture # 2)	Study in honeybee (Apis mellifera) acute	LD 50 (contact, 48 h) = 0.0383 µg a.i./bee LD 50 (oral, 48 h) = 0.1782 µg a.i./bee
Alpha-cypermethrin (mixture # 3)	Study in honeybee (Apis mellifera) acute	LD 50 (contact, 72 h) = > 0.1 µg a.i./bee LD 50 (oral, 72 h) = 0.328 µg a.i./bee
Alpha-cypermethrin (mixture # 3)	Study in honeybee (Apis mellifera) acute	LD 50 (contact, 72 h) = 0.0348 µg a.i./bee LD 50 (oral, 72 h) = 0.5876 µg a.i./bee

BASF Corporation understands that reporting of the results from this study under TSCA 8(e) is in accordance with EPA's policy.

If you have any questions, please call Janet Cerra at (973) 245-6693.

Sincerely,

*Janet Cerra*

Janet Cerra  
Product Regulatory Center of Excellence

/jc

690<sup>th</sup> Letter.doc

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From: Origin ID: (973)245-6693  
Janet Cerra  
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Florham Park, NJ 07932

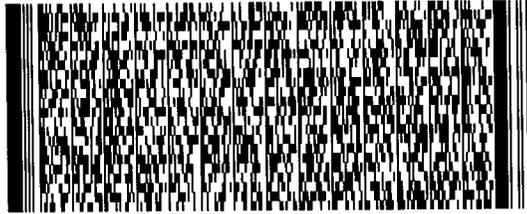
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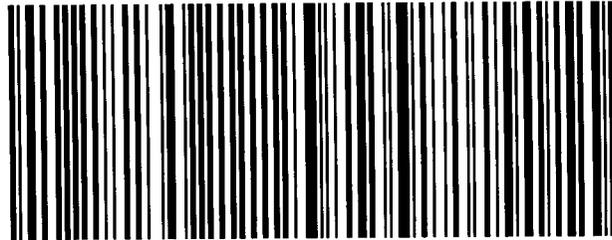
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