8/9/91

DATA EVALUATION REPORT

Reviewed by: Cindy Schaffer, Microbiologist, SACB/HED
Secondary Reviewer: J. Thomas McClintock, Ph.D., Microbiologist, SACB/HED

STUDY TYPE:	Supplement to Acute Inhalation Toxicity Study in Rats
MRID NO:	419943-09
CASWELL NO:	066
TEST MATERIAL:	CGA-237218 WP FL-910986
SYNONYMS:	Bacillus thuringiensis var. aizawai
PROJECT NO:	197
SPONSOR:	Agricultural Division, Ciba-Geigy Corp., Greensboro, NC
TESTING FACILITY:	Agricultural Division, Ciba-Geigy Corp., Greensboro, NC
TITLE OF REPORT:	Supplement to Acute Inhalation Toxicity Study in Rats (Agree): Report on Grinding CGA-237218 WP
AUTHOR(S):	Don Schmidt
STUDY COMPLETED:	9 August 1991
CONCLUSION:	The registrant was unable to grind the test material down to the desired one micron range. SACB feels that further grinding of CGA-237218 would compromize the products integrity.
CLASSIFICATION:	ACCEPTABLE

I. STUDY DESIGN

Test Material: The test material is CGA-237218 WP FL-910413, containing Bacillus thuringiensis var. aizawai as the active ingredient.

Objective: To grind 25% of the CGA-237218 WP to a particle size of less than one micron.

Methods: CGA-237218 was repeatedly passed through an air mill until the continued milling would not produce any more particles in the one micron range.

II. RESULTS

A. Particle Size Measurements:

After three passes through the air mill, the particle size measurements were as follows:
95% of the particles were less than 44.3 μm,
50% of the particles were less than 11.9 μm and
5% of the particles were less than 1.5 μm.

III. SACB DISCUSSION:

The air mill grinding produced very little improvement in the number of particles in the desired one micron range. Any further grinding would compromize the product integrity.