US EPA ARCHIVE DOCUMENT

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DATA REVIEW FOR SKIN IRRITATION TESTING (§81-5)

Product Manager:18
MRID No.:427125-02
Testing Laboratory:Cosmopolitan Safety
Author(s):Geoffrey Robbins
Species:Rabbit, New Zealand White
Age:young adult
Sex:3 M & 3 F
Weight:2.0 - 2.2 K
Dosage:0.5 g
Test Material:BMP 123 (2X WP) Lot 4922
Quality Assurance (40 CFR §160.12):Included

Reviewer: L. Markarian
Report Date:3/12/93
Report No.:E3334

Summary:

1. The Primary Irritation Index = 0.6

2. Toxicity Category:IV

3. Classification:Core minimum

Procedure (Deviations From §81-5):

Each aliquot of test material was mixed with 0.7 ml of water to make it into a paste before application. This paste was applied to the shaved skin of the rabbits. The site was covered with 6 cm^2 gauze pad, and the trunks were wrapped in perforated plastic sheeting. At 4 hrs the patches were removed and the sites wiped with moist paper towels. Evaluations were at 1, 24, 48, 72 hrs and on day 4 according to modified Draize scale.

Results:

No score greater than grade 1 erythema or edema was observed at any site,at any interval. All irritation subsided by day 4.

Results:

	Test	Control
Chamber Concentration		
Gravimetric mg/L		
Average	3.19	------
Range	3.11 - 3.32	
MMAD ± SGD um		
Average	2.3	
I	3.1± 4.2	
II	2.3± 5.2	
III	3.0± 6.0	
IV	2.2± 4.1	
% < 2um		
I	26.1	
II	34.3	
III	28.5	
IV	36.6	
Air Flow lpm	10 lpm	10 lpm
Temperature range °F	76 - 86	76 - 84
Humidity Range %	52 - 76	52 - 84
Mortality		
Males	0/5	0/5
Females	0/5	0/5
Combined	0/10	0/10
Signs of Toxicity		
During Exposure	Test material on muzzle	None
Post exposure	Decreased response to tapping on wall in addition to above Decreased locomotion perineal staining	" "
Days 1 - 14	Normal	" "
Necropsy Findings	None	None

Results:

Tox chem No:006407 Bacillus Thuringiensis Subsp.Kurstaki HD-263 Current Date: 04/07/93
006402 Bacillus Thuringiensis subsp. Kurstaki

Laboratory:Cosmopolitan safety Evaluation, Inc.,P.O.Box 71, Lafayette, NJ 07848

STUDY	MATERIAL	MRID NO	RESULTS	TOX CAT	CORE GRADE
Acute Dermal Limit test(Rabbits) B3334 3/19/93	BMP 123 (2X-WP) Lot 4922	427125-01	LD_{50} > 2000 mg/kg	III	Minimum
Eye Irritation in Rabbits D3320 1/8/93	" " " "	426796-01	Clear by day 7	III	Minimum
Dermal Irritation In Rabbits E334 3/12/93	" " " "	427125-02	PII 0.6	IV	Minimum

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