

US EPA ARCHIVE DOCUMENT

TECHNICAL SUPPORT SECTION TOXICOLOGY REVIEW - I

Disinfectants Branch

IN MARCH 9-92 OUT MARCH 10 92

Reviewed by Alex Arce Date MARCH 10 92

EPA Reg. No. or File Symbol 342927

EPA Petition or EUP No. None

Date Division Received Feb 7-92

Type Product(s): I, D, H, F, N, R, S

Data Accession No(s). 421974-01

Product Mgr. No. ~~James E. Wilson Jr.~~ 31 (Lee)

Product Name(s) Dow Corning 5700 Antimicrobial

Company Name(s) Dow Corning Corporation Agent

Submission Purpose Review of a skin sanitization study using the hydrolysate of the subject product

Chemical & Formulation White powder

Active Ingredient(s):

Not submitted with this request
Formulation on file.

Conclusion as tested the product
is negative for skin sanitization

Dermal Sensitization

CFR. 81.6

Laboratory Toxicology Laboratory
Health and Environmental Sciences

Test No. 1992-10000-36929

Dow burning comparison

Report Date: Feb 5 - 92

MRID No. 421974-01

Other pertaining Info Author - Richard P. Hoffman

Method of Testing: CFR 81.6

Modifications

Species: G. P. 711 No of applications/week 3x

No of weeks 2 weeks
Days of Rest 11 days
before Challenge

Dose: induction 0.1g Area of applic flank

Challenge dose: 0.1g No. of applic.

Dose Same 0.1g Test, 0.2ml - cont, 0.3g
PI13T Study Yes

Areas: Flank

No. of animals used: 22 (10 cont, 5 Neg, 5 Pos)

Controls: Solvent Positive 0.1%
Negative None 1 chloro-2,
0.3 ml dinitrobenzene in
propylene glycol 80% ethanol

Material: Dow burning 5700 Solvent propylene glycol

PROCEDURE Hydrolyzate

The Guinea pigs were treated with the material in previously dipped areas of the skin using cotton pads moistened with the material and applied to the flank skin; protected with a wrap for 24 hours, at day 0, 2, 4 and 7 at the induction phase

Results: on day 4, 0.2 ml of 50% Freund's complete adjuvant/saline injected

No irritation was observed while using the test material

Erythema : Control: Pos + Neg - Naive Test - Challenge Test -
Edema: Control Pos + Neg - Naive Test - Challenge Pos +
Neg cont -

Conclusions: The product is Not a dermal sensitizer

Core Minimum data

Toxicity Category: N/A

Comments