HLO-135-69

Report To

E. I. duPont deNemours and Company

On

The Contact Sensitizing Potential of Paint Sample 6

5945 - Enamel, White, Polyurethane 9350-37
5946 - Activator 9350-37
5947 - Promoter 9350-37

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Submitted By

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STUDY SYNOPSIS

OBJECTIVE

To evaluate the contact sensitizing potential of an experimental paint.

MATERIALS

An experimental paint was supplied by the Haskell Laboratories of the E. I. duPont deNemours and Company and was identified as follows:

Sample 6 Part A - H-5945
Part B - H-5946
Part C - H-5947

SUBJECTS

Twenty-five healthy adult males served as subjects.

METHOD

The experimental paint was mixed according to protocol directions two hours before application each day. The experimental paint was applied to one-inch square skin sites on the volar forearm of all subjects for a total of fifteen applications on alternate days. A cotton-tipped applicator was used to apply the paint. Before each new application the dried paints were removed by peeling. Following a two-week rest period the paint was applied to a new site and evaluated twenty-four and forty-eight hours later.

RESULTS

The results are recorded in the accompanying table.

No subject presented signs of having become sensitized. During induction some mild irritation was noted, usually erythema and slight glazing. Removing the paint each time may have contributed to this slight non-allergic inflammation. None of the subjects reported any itching, burning or other subjective symptoms associated with contact allergy.

CONCLUSIONS

The experimental paint sample No. 6 did not induce any cases of contact sensitization. The contact sensitizing capacity of this paint is very low and not likely to be a significant hazard under conditions of actual use.

Respectfully submitted,

Albert M. Kligman, M. D.

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Contact Sensitizing Potential of Paint Sample 6

- Subject Data -

Subject No.	Initials	Age	Weight	Race
1	F. B.	35	225	N
2	J. D.	24	214	N
3	C. J.	23	178	N
4	S. V.	48	150	W
5	J. R.	29	198	N
6	M. R.	24	131	N
7	O. J.	29	151	N
8	R. C.	33	165	N
9	J. B.	21	153	N
10	W. D.	43	140	N
11	J. S.	23	156	N
12	T. N.	22	192	N
13	I. R.	31	298	N
14	W. H.	27	140	N
15	K. G.	28	195	N
16	J. W.	33	185	N
17	P. W.	33	221	N
18	J. P.	25	175	N
19	A. W.	35	170	N

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Contact Sensitizing Potential of Paint Sample 6

- Subject Data -

Subject No.	Initials	Age	Weight	Race
20	D. C.	45	167	N
21	E. F.	22	135	N
22	J. McP.	28	153	W
23	C. M.	28	155	W
24	J. S.	25	195	W
25	M. C.	22	192	N