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EPIDEMIOLOGICAL STUDY
OF
VINYL CHLORIDE WORKERS

Final Report

~~March 1974~~

Submitted to
The Manufacturing Chemists Association
1825 Connecticut Avenue N.W.
Washington, D. C. 20009

by
Tabershaw/Cooper Associates, Inc.
2180 Milvia Street
Berkeley, California 94704

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Page Number 001 TCA 1
Baggett, McCall & Burgess

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5/3/74.2 VCT1 DOW1051-1092
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Page Number 002 TCA 1

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DOW 1052

EPIDEMIOLOGICAL STUDY OF VINYL CHLORIDE WORKERS

Final Report - May 2, 1974

I. SUMMARY

Eight thousand three hundred and eighty four men who had had at least one year of occupational exposure to vinyl chloride before December 31, 1972, were followed in a historical prospective mortality study. The major findings of the study are:

1. The overall mortality of the study population was approximately 75 percent of what would be expected in a comparable population of U. S. males.
2. No cause of death showed a statistically significant excess over what would be expected in a comparable U. S. male population.
3. No new deaths identified as angiosarcoma of the liver were found.
4. All previously known Angiosarcoma deaths in the study population during the study period were found as part of the routine study procedure.
5. Cancers of the liver (primarily angiosarcoma), respiratory system, brain, and cancers of unknown primary site, as well as lymphosarcoma, occurred more often than expected in those members of the study population with the greatest exposure. Even though the excesses were not statistically significant, the findings warrant further study.
6. Other cancers occurred at lower levels than in the general male population, with the exception of cancers of the buccal cavity and pharynx. There was an excess of these

5/3/74.2 VCT1 DOW1051-1092

003-1974-00000984



Page Number 005 TCA 1

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