

MCA

copy to Mr. Kozl

MANUFACTURING CHEMISTS ASSOCIATION

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May 8, 1975

W. S. F.

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TO: Technical Task Group on Vinyl Chloride Research

SUBJECT: Items of Interest on Vinyl Chloride Monomer (VCM)

1. Summary of Environmental Protection Agency (EPA) Activities

Attached is a listing of the EPA Vinyl Chloride Task Force recommendations and the office responsible for carrying out each one of these. It was prepared by the Office of Toxic Substances and a letter of transmittal is also attached.

2. Photoreactivity

In a recent conversation with the writer, Dr. Steigerwald of EPA's Office of Air Quality Planning and Standards at Research Triangle Park indicated that the fate of VCM in the atmosphere, although of interest, is not considered a pressing issue at this time. Hence, little work is being done at EPA in this area, and he did not feel industry should initiate such studies. Instead, his agency is stressing the development of standards for VCM emissions based on best available technology. In this connection, he sent us an advance copy of "Standard Support-Environmental Impact Document" in two volumes (about 2 inches thick). Copies of the title pages for these volumes are attached.

3. Research by Consumer Product Safety Commission

The protocol for this work was distributed to the TTGVCR on November 21, 1974 with a letter from Mr. Hehir to Dr. Johnson. In recent conversations with Mr. Hehir and Dr. McLaughlin of this agency, the writer learned that they have decided to drop the mutagenicity, teratology, and biochemistry studies but are expanding the reproduction and cancer portions. For example, as part of the cancer study, they are exposing rats and mice at Edgewood Arsenal to 0, 50, 500, 5,000, and 50,000 ppm of vinyl chloride for one hour, one time only. These animals will be held for two years. For comparison with the one-shot experiment at 5,000 ppm, other groups will be exposed at (a) 500 ppm for ten, one-hour periods,

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five times a week for two weeks and (b) 50 ppm for 100 exposures, one hour each, five times a week for twenty weeks. We were invited to make formal application to visit with them in either an open or closed meeting to discuss details of their experiments.

4. Standards in Other Countries

Attached is Dr. Brookman's transmittal of information on the status of regulations throughout the world.

5. Articles Received from the International Agency for Research on Cancer, 150 Cours Albert Thomas, 69008 Lyon, FRANCE (IARC)

a. Epidemiological Studies, Report No. 75/001 of January, 1975.

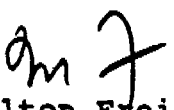
b. Oncogenicity of Vinyl Chloride at Low Concentrations in Rats and Rabbits by A. Caputo, et al.

c. Item No. 250 citing research on vinyl chloride from IARC's most recent Information Bulletin (No. 4, November 1974) on the Survey of Chemicals Being Tested for Carcinogenicity.

d. First pages which include summaries, of two articles on mutagenicity of vinyl chloride.

6. Attached also are title pages, indicating where copies may be obtained, for: a) "The Determination of Vinyl Chloride, A Plant Manual" (92 pages) published by the Chemical Industries Association Limited and (b) "Guidelines for Carcinogen Bioassay in Small Rodents" (65 pages) published by the National Cancer Institute.

Sincerely,


Milton Freifeld
Project Manager

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Attachments