



UNION CARBIDE CORPORATION
CHEMICALS AND PLASTICS

P.O. BOX 8004, SOUTH CHARLESTON, W. VA. 25303

SOUTH CHARLESTON PLANT

March 17, 1975

Mr. H. Lawes
Management Services and
Technological Coordination Section Manager
Imperial Chemical Industries Limited
Plastics Division
PO Box No. 3, (Thornton-Cleveleys)
Hillhouse Works, Blackpool
FY5 4QB
UNITED KINGDOM

Re: Your letter dated March 6, 1975 on
Monitoring of Vinyl Chloride

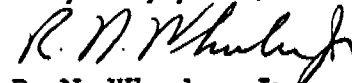
Dear Mr. Lawes:

The use of carbon disulphide as a desorbing solvent to remove vinyl chloride from activated carbon appears to be firmly established in the United States as the result of its approval by various Government regulatory bodies. There is some effort, with good reason, to replace carbon disulphide with ethanol as a desorbing solvent. While I can't give you the specifics, the use of ethanol has been recommended by many vendors of analytical equipment. The use of chlorinated solvents, such as dichloromethane, is not being considered because of a fear that it will interfere in the ultimate determination of vinyl chloride. I will try to secure additional information to answer your inquiry at a later date.

I am attaching two additional items for your consideration. One, a revised Union Carbide method for determining vinyl chloride in the air via carbon tube adsorption. Included, also, are some precision studies on this method. Secondly, a vinyl chloride monitoring study protocol recently issued by the United States Environmental Protection Agency.

I trust these will be made available to other members of the industry through your Chemical Industry Association and Monitoring Committee.

Very truly yours,


R. N. Wheeler, Jr.

RNWJr/ra

Attachments

bc: Mr. N. H. Ketcham, 511

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