

SHELL CHEMICAL COMPANY

PRIVATE AND CONFIDENTIAL

DATE MARCH 26, 1974

TO CHEMICAL SALES -SHELL OIL COMPANY
MANAGER, INDUSTRIAL HYGIENE DEPT.CHEMICAL INTERMEDIATES
BUSINESS CENTER

MESSRS. W. S. BAZARD, JR.

W. C. LOWREY

K. V. ERDMAN

D. P. JONES

R. C. SEDLAK

MAR 28 1974

Rec'd

HLK

SUBJECT

VINYL CHLORIDE TOXICITY

Attached is a copy of a letter we plan to send to all Shell VCM customers for your information. The letter is a followup to our March 6, 1974 letter on the same subject which promised a copy of our new analytical method for taking seven to eight hour samples of the ambient air in the vicinity of workers' breathing zones. Although the method is not intended for publication, we are prepared to make it available to others who show an interest in the technique.

K. W. Wood

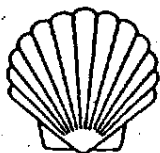
K. W. Wood

/lhg

Attachment

cc: w/attach. Messrs. R. L. Brunner
H. L. Kusnetz
R. L. Maycock

← THIS COPY FOR →



SHELL CHEMICAL COMPANY

A DIVISION OF SHELL OIL COMPANY

ONE SHELL PLAZA

P.O. BOX 2463

HOUSTON, TEXAS 77001

March 25, 1974

Gentlemen:

In our letter of March 6, 1974, we indicated that the use of employee breathing zone samples has assisted us materially in minimizing vinyl chloride monomer exposures. Attached is a copy of our analytical method describing procedures for taking average samples of ambient air in a worker's breathing zone, which you may find of interest and assistance. Should there be any questions regarding the details of this method, please direct them to:

Mr. Richard E. Dilgren
Manager Analytical
Shell Chemical Company
Deer Park, Texas 77536
Phone (713) 479-2331 Ext. 3134

Yours very truly,
SHELL CHEMICAL COMPANY

K.W. Wood

For: R. J. Reynolds
Manager, Chemical Intermediate
Business Center

Attachment



SHELL CHEMICAL COMPANY

A DIVISION OF SHELL OIL COMPANY

ONE SHELL PLAZA

HOUSTON, TEXAS 77002

INDUSTRIAL CHEMICALS DIVISION

Gentlemen:

The necessity for limiting and controlling human exposure to high concentrations of vinyl chloride has been long recognized by industry. A 500 ppm ceiling value is specified by the Department of Labor, under the Occupational Safety and Health Act, as the permitted employee exposure level to vinyl chloride. The most recent Manufacturing Chemists Association safety data sheet for vinyl chloride reports this value. A copy of this data sheet is enclosed for your information.

In June of 1972, the American Conference of Governmental Industrial Hygienists (ACGIH) adopted an eight hour time weighted average Threshold Limit Value (TLV) of 200 ppm (vol/vol) for vinyl chloride. Documentation covering the considerations leading to the adoption of this value may be obtained by request to the Chairman, TLV Committee, American Conference of Governmental Industrial Hygienists, P. O. Box 1937, Cincinnati, Ohio 45201.

While the ACGIH adopted a 200 ppm level for vinyl chloride, the TLV Documentation cites studies which recommend levels from 50 ppm to 500 ppm. As you may be aware, the Manufacturing Chemists Association has contracted with independent consultants, on behalf of a group of vinyl chloride producers and consumers to conduct animal exposure studies and a comprehensive epidemiology study of vinyl chloride workers. It is hoped that results from these studies will aid in clarifying what exposure limitation would be most appropriate. However, until these results are available and in view of the range in recommendations, we considered it prudent in our operations to establish a vinyl chloride TLV of 50 ppm; further, measurements indicate that this is a feasible level for us. We urge you to give consideration to the vinyl chloride exposure levels which may be appropriate for your operations.

We would be pleased to make available our techniques for measuring low concentrations of vinyl chloride if you would consider them helpful.

Very truly yours,
SHELL CHEMICAL COMPANY

R. J. Reynolds
Manager, Vinyl Chloride
Business Center

Attachment: MCA Safety Data Sheet SD-56 (1972 Version)

Letter to

Hooker

Stauffer

Geo. Pacific

Diamond Shamrock

B F Goodrich

P P G

Firestone

Tenneco

P Mex (Petróleos Mexicanos)