



INTERNAL CORRESPONDENCE

AUG 9 1976

R N WHEELER JR.

UC 149-

CHEMICALS AND PLASTICS

P. O. BOX 471, TEXAS CITY, TEXAS 77590

TO (NAME) Mr. A. S. Amatangelo
COMPANY
LOCATION TAFT PLANT

DATE August 6, 1976

COPY TO Mr. R. J. Casner - 501
Dr. L. P. McMaster - 312
Mr. W. A. Mazzolini
Mr. S. A. Mortimer - 501
Mr. S. H. Norwood
Mr. F. S. Provenzano
Mr. K. E. Ross
Dr. T. T. Szabo - 501
Mr. G. F. Tacquard
✓ Mr. R. N. Wheeler - 514

SUBJECT RVCN Content of VYDS Solvent
Vinyl Resins

106

Dear Tony:

A recent review of VYDS and VYDS-66 for residual VCM indicates that a problem in measuring RVCN in these products continues to exist. If you recall, a deterioration in the quality of Taft-produced toluene in early 1976 made the quantification of RVCN in VYDS/VYDS-66 impossible with current GC methods because of an unknown toluene impurity which had the identical retention time as vinyl chloride. Use of a higher purity Marathon-produced toluene eliminated this problem. A copy of my letter in February, 1976, regarding the problem is attached.

Subtracting the contribution of the impurity from "typical" Taft-toluene from the total area normally identified as "VCM," both VYDS and VYDS-66 are meeting a 1 ppm, maximum, for RVCN. Certification of this level by the laboratory, using present gas chromatographic techniques, is presently impossible. The addition of a residual monomer specification of 1 ppm, max, for both products would be, therefore, difficult to achieve unless:

- 1) Change to a higher quality of toluene is made, or
- 2) Use of a different GC test procedure which would resolve vinyl chloride from all other interfering impurities is made.

The development of a new test procedure specifically for VYDS and VYDS-66 would be time consuming and costly. However, Dr. McMaster might be able to provide input which would help to resolve the present problems in measuring RVCN in VYDS/VYDS-66.

Please let me know if I can assist or answer any questions regarding this matter.

Very truly yours,

R. N. Wheeler

/kw
Attachment

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