

Inter-office memo

TENNECO CHEMICALS, INC.

To P. F. Albanese At Flemington Date February 19, 1969

From L. Medeiros At Burlington Copy to P. F. Albanese
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Subject Allied and PPG Monomer Evaluation

Burlington Resin plant has received a scheduled 42,000 gallon Allied tank car and the first of ten 31,000 gallon PPG cars of vinyl chloride monomer. The following is a program for evaluation of the Allied and the PPG monomer in production.

A. Allied VCM Program

1. In a scheduled 18 batch run of Tenneco 315, charge one 9 batch lot using Tenneco VCM from storage (no recovery). Follow this lot with a 6 batch lot utilizing Allied VCM (no recovery) charged directly from the Allied tank car.
2. When transferring batches of the above two lots to the slurry tank do not add soda ash. After the last batch of each lot has been transferred to the blend tank during drying; dry for 1 hour more and take special 5 lb. drier sample.. Estimate amount of slurry left in the blend tank and make soda ash addition of 25 lbs./batch. After 2 hours more of drying take 2nd special 5 lb. sample from each lot. All four samples are to be used for heat stability and light absorbance evaluation.
3. Run out one PVC monomer storage tank (number 1 or 2) and unload the remainder of the Allied monomer into it. Have a sufficient level in the other tank to take up any delay in charging of the Allied VCM.
4. The Allied VCM is to be charged in Tenneco 225 type (H-3120) as follows:
 - a. Prior to charging of the Allied VCM run r covered monomer inventory empty.

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b. Charge three lots of Tenneco 225, preferably in a schedule of four 7 batch lots as follows:

- Lot 1: 7 batches, Allied VCM, scheduled so as to use all Tenneco recovery generated in previous lot processed (may have some Allied blended in).
- Lot 2: 7 batches, Allied VCM, No recovery
- Lot 3: 7 batches, Allied VCM, with minimum of 1,000 lbs./batch of Allied recovery.
- Lot 4: (if scheduled) 7 batches, Allied VCM, No recovery.

If scheduling of lot 4 is not possible at time of run, charging of this lot should be included in the next Tenneco 225 run. Take vapor and liquid samples of the Allied recovery.

B. PPG VCM Program

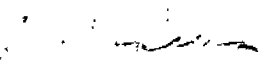
The PPG monomer is to be used in all three resin plants as follows. Use of the PPG monomer once commenced should continue till all 10 cars are depleted. Check schedule of arrivals of these cars before start of evaluation.

1. Empty one PVC monomer storage tank (number 1 or 2) and fill with PPG monomer.
2. PPG monomer may be charged on all PVC types. Repeat evaluation run in part A above using the same Tenneco 225 formulation, with the exception of the one virgin lot using Tenneco monomer (lot 4). In this evaluation enough PPG monomer is available so that charging may commence on any formulation preceding the 225 run.
3. Based on acceptable kinetics in the PVC plant, empty one copolymer storage tank and fill with PPG monomer (numbers 3 or 4). Charge at least one 9 batch lot of Tenneco 315 using all virgin PPG monomer, repeating the procedure of soda ash add during drying.
4. Take vapor and liquid samples of the PPG recovery.

All batches charged with competitive monomer will be evaluated for kinetics, processing, and resin quality. If possible, recovered monomer from all batches charged should be weighed.

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A memo from P. F. Albanese to Dr. E. Farber dated 2/13/69, subject "Allied and PPG Monomer" outlines the program to be followed in the laboratory evaluation of the above monomers, in addition to the gas chromatographic analysis to be run in Burlington Quality Control and Texas.


L. Medeiros

LM/rjl