



Dow U.S.A.

The Dow Chemical Company
P.O. Box 150
Plaquemine, Louisiana 70765-0150

Glycol II
March 1, 1991

Gerald Wagener
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xc: John Barksdale, Bldg. 3701

R&D REACTIVE CHEMICALS REVIEW - JANUARY 22, 1991

PROJECT: Glycol II 2-Yr Process Review

PROJECT REP: Marcus James, Hal Martin, Steve Cook, Mike Kitt, and Tracey Downing

In reference to your letter dated 1/25/91, we have addressed your concerns:

1. Sample of Dowtherm A/Q will be submitted to the thermal lab for DSC and ARC Test during the 2Q91 - Marcus James
2. We will set-up a meeting with R&D Analytical to discuss the best method of positive identification for our Dowtherm A/Q shipments to Glycol II. Greg Miller, our laboratory technician, will be involved in the meeting. A procedure will be written once a method is established - Hal Martin
3. A meeting with Tech Center, Loss Prevention and Glycol II personnel is scheduled for the week of March 11th to review operating conditions for EO compression section of plant - Marcus James
4. Plan to contact Hugh McLaurin to see if he has suggestions for a testing procedure to positively identify the oil. Will also contact CPI as suggested - Nathan Davis
5. Reactive Chemicals (ARC) testing performed for carbonate solution and methane stripping gas. No thermal activity detected. Will test carbonate and C-360 lube oil in near future. Will contact CPI about positive means of identification for C-360 lube oil - Steve Cook
6. Flammability in air data is documented for the pure component ethylene glycols; however, none has been found for the mixtures. On this subject, the tri-reactor effluent (mix of DEG, TEG, TETRA EG and PENTA EG) is of particular interest. A sample of this effluent will be submitted to R&D, so that auto-ignition temperature and flash point data can be generated. The need for this information should be on a routine basis - Tracey Downing

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7. A meeting between plant personnel and Engelhard will be held during the 2Q91, to establish a procedure to de-activate the acetylene hydrogenation catalyst - Hal Martin

If you have any other questions on this matter, please feel free to contact me.


Wayne Turner
Plant Superintendent
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nlc