



DOW CHEMICAL U.S.A.

LOUISIANA RESEARCH & DEVELOPMENT
P O BOX 400
PLAQUEMINE, LA 70765 0400
504 389 8000

July 2, 1990

Tony Grant
Ethanolamines/Glycol Ethers
5501 Bldg.

REACTIVE CHEMICALS COMMITTEE REVIEW - JUNE 28, 1990

PROJECT: Ethanolamines/Glycol Ethers 2-Yr Process Review

PROJECT REP: Tony Grant

ATTENDEES: Gerald Wagener, John Monroe, Tom Bradley, Art Royals,
Buck Bailey, Ronnie Roach, Dave Mihalik, David Steele, Mark
Mitchell, Anthony Machie, Fred Lochary, Tony Grant, Paul Coram,
Sam Washington

CONCERNS:

ETHANOLAMINES

1. Due to records retention ARC data is no longer available on the reactor mixture. As a result, it was suggested that ARC runs be conducted to obtain this data.
2. Concerning D-101: re-evaluate the reactive chemical consequences of a scenario involving water in D-101. Determine if the 200# relief valve is sized properly.
3. Review sodium borohydride storage procedures and determine if the present storage location is adequate for this hazardous flammable solid.
4. The design of the vent header should be evaluated. Determine the possibility of backpressure from high to low pressure systems and if the overall system can handle 2 phase flow.

GLYCOL ETHERS

1. Concerning D-101A: the water scenario (item 2 above) along with sizing of the relief device should be addressed.
2. Consider implementing a positive ID test on the KOH catalyst.
3. Consider implementing safeguards to assure that all instrument work errors are identified and corrected before attempting a start-up. An incident occurred on May 7, 1990 at Solvents/EDC which was a direct result of this condition.

Please respond in writing to the Committee Chairman within one month as to action taken or planned in regard to these considerations.

Gerald Wagener

Gerald Wagener
Reactive Chemicals Committee

rcb/jpb

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