

cc msc
S. Schreiber

ALLIED CHEMICAL CORPORATION

40 RECTOR STREET • NEW YORK, N. Y. 10006 • (212) HANOVER 2-7300

December 19, 1969

Mr. G. I. Rozand
Vice President, Manufacturing
Tenneco Chemical, Inc.
Tenneco Plastics Division
P. O. Box 2
Piscataway, New Jersey 08854

Dear Mr. Rozand:

In reply to your letter of December 15, 1969, I am attaching a copy of a letter dated December 3, 1969 indicating AICHE's agreement to make their meeting room available at our Loss Prevention Symposium in Atlanta.

Since you have volunteered, I would appreciate it if you would contact and invite all PVC manufacturers to our meeting. Since it appears after all that "tricky Dick" will not appear Tuesday night, I would suggest that the meeting be scheduled that evening, February 16, 1970 at 7:30. The meeting and meeting rooms will be held at the Marriott Motor Hotel in Atlanta, Georgia.

I am attaching a copy of a rough draft of the agenda of the three-day symposium and would appreciate it if you could reproduce it and mail to the list of people you are inviting to the PVC meeting. Please forward to me a copy of the list of the invited so that I can make certain that registration forms for the meetings and hotels can be mailed directly to them by the AICHE.

Very truly yours,

S. Schreiber
S. Schreiber
Manager - Safety and
Loss Prevention

SS:ls

Attachments

cc: W. S. Wood-Sun Oil
W. G. Sykes-Arthur D. Little, Inc.
A. R. Albrecht-Dow Chem.
T. A. Ventrone-American Cyanamid Co.

OCC 2659

FOURTH ANNUAL LOSS PREVENTION SYMPOSIUM

ATLANTA, GEORGIA

FEBRUARY 16 - 18, 1970

Symposium Chairman

William S. Wood
Sun Oil Company

Symposium Co-Chairmen

Sanford Schreiber
Allied Chemical Corporation

Wendell G. Sykes
Arthur D. Little, Inc.

Loss Prevention Committee (5B-3)

A. R. Albrecht	R. M. Sachere
F. W. Badger	Sanford Schreiber
W. J. Bradford	W. G. Sykes
W. H. Doyle	T. A. Ventrone
G. J. Grabowski	G. E. Weldon
Stanley Grossel	J. J. Walker
R. Y. Le Vine	W. S. Wood

LOSS PREVENTIONS SESSIONS

William S. Wood, Chairman
Sun Oil Company
P. O. Box 426
Marcus Hook, Pa. 19061

Sanford Schreiber, Co-Chairman
Allied Chemical Corporation
40 Rector Street
New York, N. Y. 10006

Wendell G. Sykes, Co-Chairman
Arthur D. Little, Inc.
Acorn Park
Cambridge, Mass. 02140

Session # Hazard Control
Session Leader: William S. Wood

Monday, February 16, 1970
8:45 - 11:30 a.m.

Marriott Motor Hotel

LOSS CONTROL FUNCTIONS AT CITIES SERVICE LAKE CHARLES COMPLEX 9:00 a.m. Preprint and Paper No.

Charles P. Goforth, Cities Service Oil Company, Box 1562, Lake Charles,
La. 70604

New approach to safety and loss control following the disaster at Lake Charles, organization and function of the department, how Lake Charles has updated their fire protection facilities, coordination with other departments, future plans.

FLAMMABILITY LIMITS OF ETHYLENE-NITROGEN-OXYGEN MIXTURES IN A FLUIDIZED BED 9:45 a.m. Preprint and Paper No.

Walter B. Howard, Monsanto Company, 800 N. Lindbergh Boulevard,
St. Louis, Mo. 63166

Upper flammability limits were determined for ethylene in oxygen-nitrogen-mixtures while flowing through a 6" diameter column of fluidized solids. Variables included gas pressure, gas velocity and fluidized particle identity and size. Fluidization conditions included both slug and bubble. A short movie will be shown.

IDENTIFICATION OF CHEMICAL REACTION HAZARDS 10:30 a.m. Preprint and Paper No.

Daniel R. Stull, Thermal Research Laboratory, Dow Chemical Company,
Midland, Michigan 48640

From the composition and heat of formation of a chemical or mixture, and the thermodynamic properties of the decomposition or reaction products, parameters can be calculated that will distinguish potentially hazardous from nonhazardous materials. A computerized procedure for the prediction of the degree of potential hazard associated with a given compound or composition of matter will be described.

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Session # Oxidations
Session Leader: Sanford Schreiber

Monday, February 16, 1970
2:30 - 5:30 p.m.

Marriott Motor Hotel

PHTHALIC ANHYDRIDE MANUFACTURING HAZARDS

2:45 p.m. Preprint and Paper No.

W. H. Doyle, Factory Insurance Association, 85 Woodland Street, Hartford, Conn. 06102 and R. F. Schwab, Allied Chemical Corporation, 40 Rector Street, New York, N. Y. 10006

A review of the major phthalic anhydride manufacturing processes used in the U. S. and discussion of the inherent hazards in both the fixed bed and fluidized bed processes. Various losses are described illustrating the reasons for taking the recommended precautions.

TRANSPORT PHENOMENA IN CATALYTIC REACTOR BEHAVIOR

3:30 p.m. Preprint and Paper No.

J. J. Carberry and D. White, Notre Dame University, Notre Dame, Indiana

A steady state behavior model of a fixed bed catalytic reactor demonstrates parametric sensitivity and selectivity in naphthalene oxidation over V_2O_5 .

SAFETY FEATURES OF THE FLUIDIZED BED PHTHALIC ANHYDRIDE PROCESS

4:00 p.m. Preprint and Paper No.

J. J. Graham, The Badger Company, 363 Third Street, Cambridge, Mass. 02142

Finely divided freely moving catalyst particles inhibit ignition of gas mixtures which are within the flammability limits enabling the fluid bed phthalic anhydride process to operate within the flammable range. Data on ignition retardation effects of catalyst particles are backed up by commercial plant examples of operation within flammability limits. Conditions for burning of reactants during plant operational upset are discussed. Safety features of the fluid bed process compared to the fixed bed are described.

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Session #	Failure Control	Tuesday, February 17, 1970
Session Leader:	Fred W. Badger	8:45 - 11:30 a.m.
	Hartford Steam Boiler	
	Inspection & Insurance Co.	Marriott Motor Hotel
	56 Prospect Street	
	Hartford, Conn. 06102	

FADPAC (FAILURE ANALYSIS, DETECTION, PREVENTION AND CONTROL) OF TOOL MACHINERY
9:00 a.m. Preprint and Paper No.

Beno Sternlicht, Mechanical Technology, Inc., 968 Albany-Shaker Road,
Latham, New York 12110

This paper will present problems and solutions in mechanical equipment used in chemical plants. Main emphasis will be placed on machinery components that are prone to failure resulting from poor design, poor application or severe unexpected environment. The paper will recommend steps that should be taken in order to increase machinery life and decrease its maintenance.

MATERIALS ENGINEERING IN THE PETROLEUM AND PETROCHEMICAL PROCESS INDUSTRY
9:45 a.m. Preprint and Paper No.

C. A. Robertson, Sun Oil Company, P. O. Box 426, Marcus Hook, Pa. 19061

Sun Oil Company's Materials Engineering department is a centralized group specializing in materials of construction for highly integrated and sophisticated units being developed today. The department is involved in selection of materials for new plants, evaluation of materials in service and development of techniques for evaluation of these materials. Examples are given where design changes and onstream inspection techniques have prevented failures.

POLAR SOLVENTS AND FIRE FIGHTING FOAM
10:30 a.m. Preprint and Paper No.

J. R. Williams, National Foam System, Inc., West Chester, Pa. 19380

Polar solvents represent only a small portion of flammable liquid hazards, but special foams and application methods are necessary because of solvent interaction with the foam. Basic requirements for polar solvent protection are discussed and changes in the 1969 NFPA standard on foam reported.

LOSS PREVENTION SESSIONS

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Acorn Park
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Session # General
Session Leader: Wendell G. Sykes

Tuesday, February 17, 1970
2:30 - 5:30 p.m.

Marriott Motor Hotel

SOME PITFALLS OF AUTOMATION

2:45 p.m. Preprint and Paper No.

G. H. Ringrose, Monsanto Canada Ltd., 425 St. Patrick Street, LaSalle, Quebec, Canada

With the advent of solid state automatic batch sequencers, sophisticated programs are used which unfortunately have pitfalls hidden within them. Specific programmer related problems associated with batch charging, reacting and operator intervention are discussed. Corrective measures are recommended in several cases.

HAZARDS OF PNEUMATIC TRANSPORT

3:30 p.m. Preprint and Paper No.

R. H. Richardson, Hercules Incorporated, P. O. Box 210, Cumberland, Maryland 21502

This paper presents a systems procedure for quantitative hazard analysis of existing or proposed pneumatic transport processes in terms of desired operating variables. By relating the energy and conditions inherent in a given system to environmental test results in the same quantitative terms, operating hazards, desired modifications and risk evaluation are obtained. The normal view of transport design is discussed pointing out those areas sometimes overlooked. The results of this neglect are characterized in terms of product quality fire-explosion hazards preventive measures and cost effectiveness.

ACCIDENT PREVENTION WITH DOWTHERM

4:00 p.m. Preprint and Paper No.

A. R. Albrecht and W. F. Seifert, Dow Chemical Company, 2030 Abbott Road Center, Midland, Michigan 48640

A compilation of the facts and experience that point up the ways and means of avoiding accidents when using Dowtherm A.

GENERAL DISCUSSION

4:45 p.m.

OCC 2664

LOSS PREVENTION SESSIONS

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Session # Disaster is News
Session Leader: Russell L. Miller
 Monsanto Company
 800 N. Lindbergh Blvd.
 St. Louis, Mo. 63166

Wednesday, February 18, 1970
8:45 - 11:30 a.m.
Marriott Motor Hotel

PRESS RELATIONS IN TIMES OF INDUSTRIAL EMERGENCIES

8:45 - 11:30 a.m. - Panel Discussion

R. M. Brennan, News Director, WAGA-TV, Box 4207, Atlanta, Ga. 30302

R. F. Fremed, Engineering Editor, CHEMICAL WEEK, 330 West 42nd Street,
New York, N. Y. 10036

E. L. Horan, Public Relations Director, E. I. du Pont de Nemours & Co.,
Inc., Deepwater, N. J. 08023

Robert Hurt, Special News Reporter, Atlanta CONSTITUTION, P. O. Box 4689,
Atlanta, Ga. 30302

C. H. Vervalin, Management & Personnel Editor, HYDROCARBON PROCESSING,
P. O. Box 2608, Houston, Texas 77001

The panel will discuss the situation arising when reporters seek information concerning a plant fire or other emergency during the early stages when only fragmentary information is becoming available. Involvement of the plant management in obtaining and disseminating information to the news media will be covered. Discussion will include preplanning for gathering, organizing and releasing information under emergency conditions so that the interests of the news services, the industry and the public can be served.

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Session #	Pressure Vessels	Wednesday, February 18, 1970
Session Leader:	Theodore A. Ventrone	2:30 - 5:30 p.m.
	American Cyanamid Co.	
	Bound Brook, N. J. 08805	Marriott Motor Hotel

SIZING RUPTURE DISCS FOR VESSELS CONTAINING MONOMERS

2:45 p.m. Preprint and Paper No.

G. W. Harmon, Rohm and Haas, Philadelphia, Pa. 19137

Parameters for sizing rupture discs on vessels containing monomers have been evaluated during tests with ethyl acrylate, methyl acrylate and methyl methacrylate in a five-gallon apparatus. Scaleup to large vessels based upon fixed rupture disc area to kettle volume ratios has been compared with disc sizes computed from kinetic data.

CRITERIA FOR SIZING RELIEF AREAS FOR STILL COLUMNS

3:30 p.m. Preprint and Paper No.

J. J. Walker, Union Carbide Corporation, South Charleston, W. Va. 25303

This paper gives a stepwise analysis of how to determine the basis for sizing emergency relief requirements for still columns. Whereas the largest single contingency basis is normally followed this paper discloses certain types of cases where multiple contingencies must be provided for.

PRESSURE VESSELS FABRICATED IN FOREIGN COUNTRIES

4:00 p.m. Preprint and Paper No.

A. L. Losasso, Kemper Insurance, 90 William Street, New York, N. Y. 10038

Pressure vessels are manufactured abroad for U. S. customers due to a variety of factors. Differences in fabrication techniques, materials, designs and quality controls will be discussed. Unique repair procedures and potential problem areas are covered.

SAFER PRESSURE VESSELS USING THE NEW ASME CODE

4:45 p.m. Preprint and Paper No.

Jesse Le Coff, Catalytic Construction Co., Philadelphia, Pa. 19102

Obtain safer, more reliable, and in some cases, less expensive pressure vessels by considering all of the stresses, effecting greater control of materials and fabrication, and thereby justify higher allowable stresses. The early years will see some problems in adaptation to the new code.

OCC 2666