

ERINE PLANTS AND ECONOMY

SPENT SOAP LYE GLYCERINE EVAPORATION

Spent soap lye glycerine, a by-product of soap plants, requires a special design of evaporator capable of efficiently handling the viscous, heat sensitive and crystal producing glycerine liquor if the maximum recovery is to be obtained. The W & S evaporator being specially designed for handling glycerine has been accepted by the glycerine industry as the standard. Developed from our years of experience in this operation it provides for effective application of heat, controlled circulation, adequate provisions for salt crystal growth with minimum glycerine retention, prevention of entrainment losses, a leak-proof method of heating and condensate removal. All add up to efficient, maximum glycerine recovery in W & S evaporators.

SWEET-WATER GLYCERINE EVAPORATORS

Sweet-water glycerine, a by-product of fat splitting plants, also requires a special design of evaporator. Sweet-water contains some dissolved scale forming solids which tend to deposit on evaporator heating surfaces.

The W & S design features an external long tube heater to develop a very high liquid velocity to scour the tubes and reduce scale formation to a minimum. All W & S evaporators are so designed that all scaled areas are quickly and easily accessible when heat transfer rates drop and cleaning becomes necessary.

GLYCERINE REFINING

W & S offers continuous glycerine distillation and bleaching plants for purifying both soap lye and saponification crude glycerine produced in the above evaporators. Yields of from 94% to 98% are guaranteed. The W & S system features continuous flash distillation, vapor scrubbing trays, fractionating condensers, continuous deodorizing, continuous dehydrating and continuous bleaching which produces only C. P. Glycerine in one distillation. Investigate and learn how your glycerine refining operations can be made more profitable with our newly designed continuous glycerine refining system.

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A Division of Jacobs Engineering Co., Pasadena, Calif.—Linden, N.J.

• New Members

Corporate Associate

Jan Bolding, Director, Unilever Research Laboratory,
Vlaardingen, Netherlands

Individual Associate

B. W. Hutchings, Technical Representative, Humble Oil
& Refining Co., Houston, Texas

Active

Douglas Mervin Bisset, Technical Manager, Hart Chemical
Ltd., Ontario, Canada

C. William Blewett, Research Chemist, Emery Industries,
Inc., Cincinnati, Ohio

Clem Burton-Smith, President, Curtis & Tompkins, Ltd.,
San Francisco, California

Thomas Raymond Forsch, Plant Engineer, PPG Industries,
Inc., Red Wing, Minn.

Francisco Carualho Guerra, Director, Centro de Estudos de
Bioquímica do IAC, Faculdade de Farmácia, Porto,
Portugal.

Masahiko Higuchi, Visiting Investigator, Rutgers, The
State University, New Brunswick, New Jersey

Arthur Gorman Hopkins, Jr., Assistant to the Quality
Supervisor, Anderson, Clayton & Co. Foods Division,
Sherman, Texas

John Janak, Engineering Consultant, Arthur G. McKee &
Co., Chicago, Ill.

Karam C. Joshi, Plant Process Engineer, Durkee Famous
Foods, Chicago, Ill.

John Barrie MacKenzie, Sales Executive, Arthur G. McKee
& Co., Chicago, Ill.

Ben Pasol, Chemist, Baker Commodities, Los Angeles,
Calif.

Nicholas Parris, Chemist, U.S. Department of Agriculture,
Philadelphia, Pa.

Herbert Franz Puchner, Head of R & D, COOP Seifen-
fabrik, Winterthur, Switzerland.

David Regenbogen, Technical Director, White Chemical
Sales, Inc., Bayonne, New Jersey.

5th International Congress on Detergency

Approximately 800 scientists from 34 countries attended the 5th International Congress on Detergency which took place in Barcelona, Spain, from September 9 to 13, 1968.

The Congress was presided over by S. E. M. Francisco Franco Bahamonde, Spain's Chief of State, and was organized by members of European committees of the International Committee of Surface Active Derivatives (CID).

In this Congress, 196 communications were presented, aside from 3 general sessions organized by:

1. Prof. Rehbinder, member of the USSR Academy of Sciences, on the effectiveness of tensio-active substances in several applications related to their molecular structure and state in solution and absorption beds.
2. Dr. Hagge (West Germany), on new developments in the chemistry of surface-active agents.
3. Prof. Llopis (Spain), on the polypeptide chain in interphases.

The works of the Congress were divided in 3 sections:

1. Chemistry of Surface-Active Agents, Chairman Prof. Asinger (Germany), with 42 papers.
2. Physics of Surface-Active Agents, Chairman Prof. Desnuelle (France), with 114 papers.
3. Practical Applications of Surface-Active Agents, Chairman Dr. Cruickshank (U.K.), with 40 papers.

All papers are scheduled for publication in the near future by Ediciones Unidas S.A. Mallorca 606-608, Barcelona 13, Spain.