

ENT PLANTS NT OPERATIONS

SULFONATION SYSTEM —

The system for sulfonation is arranged for continuous operation using oleum and a material such as alkane, glyceride oils, fatty acids, tall oil, etc. With slight changes the system may be operated batchwise. Major features of the system are based on the use of a unique dual mixer for reagents wherein exceptionally high shear rates are developed and accurate control of phase conditions is maintained in the sulfonic acid separating step. Close temperature control preserves reactant color throughout the operation.

SLURRY PREPARATION —

This operation is one of preparing a mixture of the active synthetic and builders, brighteners, soil suspending agents and other ingredients to produce a pumpable mass free of lumps and of uniform solids and air content. For maximum operating economy in drying, the moisture content of the slurry is maintained as low as practical. The crutcher operates batchwise and may be charged with either the sulfonic acid or its sodium salt depending upon its characteristics. The Booster smooths out batch variations and operates continuously as does the balance of the plant. Deaeration, as indicated, is optional depending upon density requirements. In most cases, it may be eliminated. The critical step of grinding centrifugally assures elimination of particles which might block nozzles and valves in the high pressure system operating at 250-5000 psig, usually about 1000 psig.

SPRAY DRYING —

Drying of the sprayed slurry is accomplished by counter-current flow of air in the drying tower. Slurry is sprayed down from the top of the tower. Product characteristics are readily varied by adjusting the elevation of the nozzles in the tower. Depending on the nature of the product, inlet air temperature may vary from 500° F to 900° F and exhaust air at about 200° F to 220° F. Exhaust air is cleaned by cyclone dust separators which perform efficiently. Where maximum precaution is essential, wet scrubbing may follow the cyclone separators. Product from the tower is preferably moved on an oscillating conveyor to air lift for recovery in a cyclone separator to be screened, perfumed and packaged or stored.

WURSTER & SANGER
DO BRASIL
Caixa Postal 7707
Sao Paulo, Brasil



LICENSEE:
Stork Smulders N.V.
P.O. Box 108
Amstelveen, Holland

Rep: The E. J. Nell Company
P.O. Box 612, Manila, Philippines

Rep: Arturo Samudio & Cia. Ltda.
Calle 37 No. 44-40 Barranquilla, Colombia

**WURSTER & SANGER, INC., Dept. B, 164 W. 144th Street,
Chicago (Riverdale), Ill. 60627, CABLE: WURSANCHEM**

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

• Local Section News

Northeast Section

The December meeting of the Northeast Section took place in the Military Park Hotel in Newark, New Jersey. The chairman of the meeting, Robert Casparian, introduced the speaker, W. R. Bradley, who lectured on water and air pollution problems of edible fat plants. Mr. Bradley covered many facets of the field including the points of view of industry as well as of State law enforcing agencies. Following are the photographs taken at the meeting:



Left to right: W. R. Bradley of W. R. Bradley Associates, A. N. Wrigley of USDA, Philadelphia, Pa., Robert Casparian of Carver Greenfield, and D. J. Meshnick of Drew Chemical Corp.



Left to right: H. G. Salomon of L. A. Salomon & Bros., Inc., Manuchehr Eijadi of Drew Chemical Corp. and B. Kipperman of Norda Chemical.



Left to right: H. C. Yeamakis, Best Foods Div., CPC Int'l. Inc.; Isaiah Robinson, Technical Oil Products Inc.; C. W. Nagengast, Best Foods Div., CPC Int'l Inc.; and A. C. Geisler, Technical Oil Products Inc.