

Classified

Advertising

## EQUIPMENT FOR SALE

Alkali refining, bleaching and decolorizing equipment—several makes and capacities—available for immediate shipment. Box 448, American Oil Chemists' Society, 35 E. Wacker Dr., Chicago, Ill. 60601.

## NRA to Meet in Washington, D. C.

Executive Director D. A. Specht has announced the 32nd Annual National Renderers Association Convention at the Washington Hilton Hotel in Washington, D. C., November 2nd through November 5th. Present Officers are: W. R. Malloy, President; Nelson Morris II, First Vice-President; and Stanley Frank, Second Vice-President.

On Wednesday, the 2nd, the various committees (Industrial Standards, Accounting and Statistical, Denaturing, Public Relations, Market Development, and Poultry By-Products) will meet. On Thursday they will present the results of these meetings to the Board of Directors. Friday and Saturday will include the General Membership Meetings, featuring speakers and informative programs on such topics as government programs, exports, research and everyday problems.

In addition, a full social program has been provided for both members and their wives.

# SODIUM METHYLATE

(Sodium Methoxide)

Spec 101. Packaged in airtight steel drums of 10, 25, 50 and 200 pounds net.

Free flowing white powder.

Formula  $\text{NaOCH}_3$ .

Bulk density 4.15 pounds per gallon.

Molecular weight 54.03.

Write today for full information.



## HARSHAW

THE HARSHAW CHEMICAL COMPANY  
CLEVELAND, OHIO 44106

(Continued from page 485A)

**SULFONATION OF SATURATED FATTY ACID ESTERS OF POLYVALENT ALCOHOLS.** W. Stein, H. Weiss and O. Koch (Henkel & Cie G.m.b.H.). *U.S. 3,251,868*. In the process for the sulfonation of fatty acid esters of polyvalent alcohols which contain a substantially saturated unsubstituted fatty acid radical having from 6-28 carbon atoms in which the ester is reacted with an excess of gaseous  $\text{SO}_3$ , the improvement comprises effecting the sulfonation with the ester in admixture with 20-85% by weight of an ester of a fatty acid having from 6-28 carbon atoms with a monovalent alcohol.

**LIQUID DETERGENT COMPOSITION.** M. L. Mausner, J. S. Smith and J. Castellano (Ultra Chemical Works, Inc.). *U.S. 3,232,880*. The composition disclosed consists of 10-25% (by weight) of a member selected from the group consisting of water-soluble lower alkanolamine salts of alkyl benzene and toluene sulfonic acids in which the alkyl radical contains predominantly 8-18 carbons; 5-15% organic solubilizing agent selected from the group consisting of lower alkyl benzene sulfonates and lower alkyl ethers of glycols and polyglycols; 2-6% fatty acid alkanolamide in which the fatty acid radical is selected from the group consisting of those derived from fatty acids containing 12-14 carbons and the  $\text{C}_{15}$  and  $\text{C}_{18}$  unsaturated acids; 15-22% of a member selected from the group consisting of sodium and potassium polyphosphates; 0.1-0.3% sodium carboxymethylcellulose; 0.5-0.8% methyl cellulose; 40-50% water. A substantially uniform solution is formed in water of the sodium carboxymethyl cellulose, methyl cellulose, the organic solubilizing agent and an alkyl benzene or toluene sulfonic acid. Then the fatty acid alkanolamide in molten form is added and mixed. The aqueous solution of the polyphosphate is added followed by the lower alkanolamine in amounts to form the alkanolamine salt of the sulfonic acid.

**LIQUID DETERGENT COMPOSITION.** H. E. Wixon (Colgate-Palmolive Co.). *U.S. 3,254,028*. An aqueous liquid detergent composition consists of 5-30% by weight of a water-soluble anionic organic sulfonated detergent, 10-30% of a water-soluble alkaline inorganic builder salt selected from the group consisting of alkali metal polyphosphates and alkali metal silicates, 4-12% of water-soluble organic hydrotropic salt selected from the group consisting of alkali metal alkyl substituted benzene sulfonates having up to 3 carbon atoms in the alkyl substituent and alkyl sulfates having 5-6 carbons in the alkyl group, 0.1-5% of a mixture of (a) water-soluble alkali metal carboxymethylcellulose salt normally tending to separate from an aqueous mixture of the detergent salt and the builder salt, and (b) a water-soluble polyvinyl compound selected from the group consisting of polyvinyl alcohol having a viscosity of 1.8-65 centipoises in a 4% aqueous solution with a polyvinyl acetate content from 10-30% and polyvinylpyrrolidone having an average molecular weight in the range of 15,000 to 100,000. The ratio of the carboxymethylcellulose to the polyvinyl compound is from 20:1 to 1:20 by weight and effectively inhibits the separation of the components. The remainder of the preparation is sufficient water to form a pourable, homogenous liquid. The total solids content is less than 65% by weight of the composition.

**DRYCLEANING DETERGENT COMPOSITION.** J. A. Piepmeyer (Emery Industries, Inc.). *U.S. 3,254,029*. A drycleaning detergent composition is prepared by first reacting a fatty acid material made up of fatty acids with 12-18 carbon atoms and having a titre not exceeding 42C with an alkanolamine in which the alkanol groups each contain from 1 to 3 carbon atoms. The reactants are employed in a ratio of from 1 to 3.7 moles of the alkanolamine per mole of fatty acid and are heated at temperatures of 125-200C until the formation of an alkanolamine-fatty acid condensation product is substantially complete. The condensation product is then treated with any further amount of alkanolamine as required to bring the total amount employed to between 1.3 and 3.7 moles per mole of fatty acid material and with an acidic surface active agent having from 12 to 20 carbon atoms selected from the group consisting of alkyl sulfuric acids and alkyl benzene and alkyl naphthalene sulfonic acids. The surface-active agent is added in an amount sufficient to bring the product to near neutrality. The resulting reaction mixture is then heated to a temperature of from 110-175C until the amide/ester ratio of the product is between 1/1 and 2/1.

### • Obituary

N. M. Adams (1946) died July 15, 1966 in Chicago.