

## • *New Literature*

FISHER SCIENTIFIC Co., Pittsburgh, Pa., now offers 22 high-purity grades of silica gels in a comprehensive range of particle sizes and porosities, in quantities designed for laboratory use, from 1 to 150 lb. The high porosity, and consequent large specific surface area, which gives the gel its extreme adsorbing capacity, also make it an efficient catalyst carrier. Gels listed in the catalog are of interest to biological, hydrocarbon, pharmaceutical, and foodstuff studies, among others, and are ideal for steroid chromatography.

A new, eight page booklet on general laboratory centrifuge, has just been issued by IVAN SORVALL, INC. of Norwalk, Conn. The new brochure gives details and illustrations of the basic instrument, and also of the HL-4 horizontal rotor that accepts carriers and inserts for up to 160 tubes. Trunnion rings accommodate 50 ml buckets and 100 ml buckets. Speeds of up to 2,600 rpm and relative centrifugal forces to  $1,240 \times g$  can be achieved with the HL-4. The GLC-1 centrifuge has applications in a variety of different-size laboratories, and disciplines.

The latest edition of BASF's "Special List of Organic Intermediates" is now available from BASF CORPORATION, Paramus, N.J., the U.S. subsidiary of the multinational BASF Group. The new brochure tabulates the various organic intermediates under nine different functional classifications. For each class and product, information is included showing the chemical name of the compound, description of its contents, boiling point, melting point, form at room temperature, aqueous solution, molecular weight and structural formula.

A new four page product data bulletin on ethylene dichloride, a chlorine compound also known as Dutch oil, has been issued by UNION CARBIDE CORPORATION. It lists its physical properties, specifications, applications, shipping data and precautionary labeling. Being almost completely insoluble in water, ethylene dichloride is an excellent solvent and extractant for many organic materials. It is widely used in industry as a solvent for fats, oil, waxes, natural gums and resins, to dissolve polyvinyl acetate, vinyl chloride-acetate copolymers and several types of rubbers. It is used in oil extraction, the production of Vitamins A and D from cod and shark liver oil; in metal degreasing; in the formulation of textile scouring agents, as a scavenger in making tetraethyl lead for gasoline, and in many other ways. For a copy of the bulletin, write to Union Carbide Corporation, 30-20 Thomson Avenue, Long Island City, N.Y. 11101, and ask for F-42131.

A new nine page booklet of technical information on acetic acid and acetic anhydride, two organic chemicals with a wide variety of uses in diverse industries, has been issued by UNION CARBIDE CORP. Acetic acid is used by the textile, rubber and leather industries, makers of photographic film, and by candy makers to glaze candy. Diluted with water it is an effective preservative for food products. Acetic anhydride and its derivatives are used to produce aspirin and sulfa drugs, acetate fibers, plastics, coatings and films. Acetic anhydride can be used in the manufacture of plasticizers, as an intermediate for perfume chemicals, in the processing of soybean oil, among other things. The physical and toxicological properties, specifications, shipping and storage data of acetic anhydride and acetic acid, as well as graphs of the various properties of acetic acid-water solutions, are to be found in the booklet.

Now available from PHARMACIA FINE CHEMICALS is Technical Data Sheet No. 15 announcing the availability of the most complete line of laboratory columns and accessories specially designed and developed for use in gel filtration and ion exchange chromatography. This data sheet describes and illustrates in detail each of the available laboratory columns including a chart listing the bed volume of each column and the amount of Sephadex gel required to fill it. Pharmacia Fine Chemicals, Inc., 800 Centennial Ave., Piscataway, N.J. 08854.

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A new 10 page catalog from FISHER SCIENTIFIC Co., Pittsburgh, Pa., entitled "Fisher Solvents for Instrumental Analysis," describes 45 improved solvents specially purified to expedite spectrophotometry and gas chromatography. There are now 26 Fisher "Spectranalyzed" solvents for ultraviolet and infrared spectrophotometry, and 19 solvents, the Fisher "99+ Mol %" line, for gas chromatography. The solvents contain higher purity specifications than ever before, to keep abreast of present analytical instrumentation, whose sensitivity and stability make it possible for today's chemists and technologists to determine far lower concentrations with far higher precision.

A new booklet on Water Pollution Control has been published by SHIRLEY MACHINE COMPANY, a division of TASA Corporation, Pittsburgh, Pa. Case histories of successful application of Mixmeter systems in treatment of waste water volumes to 2 million gal/day are cited and illustrated. Mixmeter continuously electronic-controlled portable, semipermanent and permanent installations are reported to have wide application in mills, mines, water and sewage works as well as in the chemical, food and paper processing industries. The booklet may be obtained without charge by writing to Shirley Machine Company, 725 Liberty Avenue, Pittsburgh, Pa. 15222.

FISHER SCIENTIFIC Co., Pittsburgh, Pa., has just issued a new 14 page catalog entitled, "Don't Waste Those Corners." The catalog, in photographs, schematics, and text, gives specifications for four Fisher-designed units that permit laboratories to use previously wasted corners. Units include the unique Revolve-Drawer module for small appliances, a corner sink assembly that serves workbenches on both sides, a corner cupboard whose dual Lazy Susan design makes its entire interior accessible for storage and a new ultra-thin corner "apron" that fits into areas too small to take normal-sized modules. Also described are specially designed corner shelves and worktops.