

Literature Available . . .

Aluminum. Illustrated booklet entitled "Process Industries Applications of ALCOA Aluminum" describes industrial applications of aluminum. Process applications of aluminum are classified by industries and products. There is a comprehensive discussion of the performance of aluminum with various chemicals. A final section is included on design of aluminum equipment for processing industries. ALUMINUM CO. OF AMERICA **L1**

Anhydrous Ammonia. A 4-page folder answers a number of questions farmers ask about nitrogen for direct application to the soil. Some of the questions discussed include: What happens to ammonia in the soil? When should it be applied? How much should be applied? OLIN MATHIESON CHEMICAL CORP. **L2**

Butyl Carbitol. Technical information sheet includes discussion of physical properties, specifications, shipping data, general solvent properties, constant boiling mixtures, physiological properties, and uses. CARBIDE AND CARBON CHEMICAL CO. **L3**

Calcium Chloride. Illustrated booklet discusses recommended procedures for bulk handling of calcium chloride. Booklet tells how to establish, operate, and expand facilities for bulk calcium chloride operations. Various procedures for bulk handling are discussed and illustrated with line drawings. A table concerning the size and approximate dimensions of storage tanks is also included. DOW CHEMICAL CO. **L4**

Carbitol Acetate. Technical bulletin discusses the uses of the glycol-ether, carbitol acetate, and includes data on physical and chemical properties, specifications, and general solvent properties. Carbitol acetate is one of the few commercially available, high boiling, water soluble esters. CARBIDE AND CARBON CHEMICAL CO. **L5**

Chloromethanes. Data on uses and physical and chemical properties of

the chloromethanes; methylene chloride, methyl chloride, chloroform and carbon tetrachloride, are contained in this 28-page booklet. Individual sections include discussions of toxicity, solubility, whipping, handling, and storage of each of the materials. ALLIED CHEMICAL & DYE **L6**

Dry Heat Sterilization. Illustrated booklet on uses and techniques of dry heat sterilization. Includes a brief discussion of bacterial resistance to sterilization, comparison of dry heat and steam sterilization, and general techniques for dry heat sterilization of various materials. PRECISION SCIENTIFIC CO. **L7**

Electrodes. Electrode reference table for users of Beckman pH meters. Lists the 60 most widely used electrodes, along with descriptions; temperature and pH ranges; body and lead lengths. WILL CORP. **L8**

Feed Supplements. Booklet on high level feeding, outlines advantages of feed grade penicillin when used in poultry feeding. Booklet explains how the penicillin works to fight off secondary invaders, stimulate appetites and hasten recovery of sick birds. COMMERCIAL SOLVENTS **L9**

Flame Photometer. Colored brochure describes the operation of a flame photometer for analysis of alkali metals in solution. Description and operation of several new features of a flame photometer are included. The brochure contains a discussion of the sensitivity range for sodium, potassium and other alkali earth metals. PERKIN-ELMER CORP. **L10**

Glycols. A comprehensive 60-page book discusses commercial glycols. Information on other glycols and triols available in development quantities included. Uses and suggested specifications for glycols are described. Tabular data include properties, shipping information, specifications, test methods, and constant boiling mixtures. A selected list of references gives the reader sources for additional

more detailed information. UNION CARBIDE **L11**

Glycol Splitting. A silver catalyzed glycol splitting agent is featured in this bulletin. Glycol cleavage products, aldehydes and ketones in yields from 40-100% can be obtained according to the bulletin. The splitting agent acts as a general catalyst for water soluble glycols. Optimum procedures for the glycol splitting are discussed. FOOD MACHINERY AND CHEMICAL CORP. **L12**

Infrared Spectrophotometer. A new infrared recording spectrophotometer is described in this bulletin. The unit is equipped with a series of controls which permit flexibility in spectrum analysis. The recording system can be converted for either quantitative or qualitative programs. BAIRD ASSOCIATES **L13**

Liquid Fertilizer Plants. Information literature discusses services of a consulting engineering firm which will design and construct liquid fertilizer plants. The fertilizer formulating plants are designed to operate with a source of anhydrous ammonia, converting the ammonia to the aqua form. J. C. CARLILE AND ASSOCIATES **L14**

Molybdenum Chemicals. Three-page bulletin is a compilation of over 50 molybdenum compounds and their sources. Grouped into a dozen classes and listed by formula, chemical name, and suppliers are all molybdenum chemicals reported to be available in either commercial or experimental quantities. CLIMAX MOLYBDENUM CO. **L15**

Process Pumps. Folder discusses a line of heavy duty chemical process pumps designed for continuous operation. The pumps are available in a variety of corrosion resistant alloys. Cutaway drawings of the pumps are included. THE DURIRON CO. **L16**

Refrigeration Machinery. Absorption refrigeration machinery producing large capacity cooling from steam, using plain water as a refrigerant is discussed in this 36-page catalog. Operation of the complex refrigeration cycle is explained in four simple steps. Capacity ratings are listed in easy-to-read tables and physical characteristics are presented in a double-page chart. CARRIER CORP. **L17**

Research Laboratory Service. Booklet describes and pictures representative services of a contract research laboratory. An outline of the procedure for the inauguration of either a small or large research project is included, with a discussion of the laboratories' research advisory board. TRUESDAIL LABORATORIES **L18**

Sand Filter Clarifier. A 4-page bulletin covering a line of circular sand filter clarifiers. Mechanism consists essentially of a spiral rotating scraper suspended in the tank center, which takes a cut from the surface of the sand bed when the filter rate decreases. HARDINGE CO. **L19**

Temperature Control Systems. Bulletin discusses automatic control for industrial process applications. Control terminology as well as a guide for selecting the proper method of control for process applications are included. BARBER COLMAN CO. **L20**

Water Treatment. Bulletin discusses applications of controlled volume pumps for water treatment. Typical applications of the pumps in various water treating systems are illustrated. Treating processes discussed include: coagulation systems, hot process softeners, demineralizers, and boiler water treatment. MILTON ROY CO. **L21**

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