

furnished either positive or negative grounded. PE8

Acetyl Glutathione

S-acetyl glutathione is available in research quantities from Schwartz Laboratories. Supplied in a chromatographically pure grade, the material has served as a valuable tool for biochemical studies of transacetylation and energy transfer in cell metabolism. Because the product is closely related to glutathione, Schwartz expects it to be of value in studies of detoxification, radiation exposure, renal function, and other mechanisms involving sulfhydryl groups.

The acetyl glutathione molecule also represents a source of high energy which can be made available by splitting the bond between the acetyl group and the glutathione molecule. The biochemical energy released by this splitting is of the order of 10,000 calories per mole. PE9

Catalyst Deactivator to Prolong Shelf Life of Pesticides

A humectant developed by the chemical division of Marathon Corp. has shown promise as a catalyst deactivator for pesticide formulations. The decomposition during storage of pesticides, especially the chlorinated hydrocarbons, has been attributed to the so called catalytic activity of the carrier or diluent used in the formulation. Marathon claims that their product called Maracarb N has proved effective in laboratory tests in nullifying this catalytic activity, thereby prolonging the shelf life of the dry pesticide formulations. PE10

Insecticides for Food Industries

Klenzade Products, Inc., of Beloit, Wis., is offering a line of four insecticidal products for use in the dairy and food industries. The company claims that the sprays can be used with reliable safety around milk and food handling equipment and yet offer a means of quick knock down and kill of flying and crawling insects. The insecticides, designated as fly, roach, cattle and residual spray, all contain high concentrations of pyrethrin with lindane and methoxychlor added to the residual spray to increase persistence. PE11

Monsanto Producing Fumaric Acid

Fumaric acid in commercial quantities is available from Monsanto Chemical Co. A crystalline free flowing granule, the product is used principally in the production of resins for surface coatings and inks, where its high melting point results in higher softening resins. Other uses of fumaric acid are as a modifier of phthalic type alkyds and as an acidulant for gelatin. PE12

LITERATURE AVAILABLE

Apparatus Catalog. Notebook catalog, describing a number of new items of chemical apparatus including modified Warburg respirometers, constant temperature bath and some other general items. CHICAGO APPARATUS CO. L1

Canning Plant Sanitation. Manual on cleaning and sanitizing canning equipment, reviews problems of cleaning various types of equipment and also problems peculiar to canning different products. KLENZADE PRODUCTS, INC. L2

Crushed Ice. Uses of a heavy duty ice crusher slinger for top and body icing of refrigerator cars and trailer trucks handling perishable produce. LINK-BELT CO. L3

Fertilizer. Facts and figures of value to manufacturers of water soluble fertilizers are presented in this booklet. Various formulations for different crop uses and state regulations governing the sale of fertilizer are discussed. MONSANTO CHEMICAL CO. L4

Fertilizer Plants. Design and construction of plants for the production of fertilizers by the wet process. DORR CO. L5

Flavoring Agents. Booklet contains basic information on candy making, and lists specific flavors recommended for different types of candy; concentrations and other production data are included. GIVAUDAN FLAVORS, INC. L6

Fumigation Techniques. Manual on fumigation techniques, describes methods for control of insects and rodents in processing plants. Also contains a section on fumigation of soil. MICHIGAN CHEMICAL CORP. L7

Immersion Heaters. A catalog of a line of electric immersion heaters, includes a section of application data for calculating power requirements and estimating heat losses. CLEVELAND PROCESS CO. L8

Insect Control. Booklet describes various types of equipment and installations for distributing insecticides in processing plants with insect control problems. WEST DISINFECTING CO. L9

Liquefied Gas. A bulletin describing compressors for transfer of liquefied gas, such as ammonia, discusses installation problems and applications. INGERSOLL-RAND L10

Odor Control. Brochure summarizes some ways in which flavor and odor control can be studied and modified to increase sales acceptability. EVANS RESEARCH AND DEVELOPMENT CORP. L11

OMPA. Technical bulletin on Octamethylpyrophosphoramide (OMPA) a systemic insecticide. The bulletin discusses safe handling practices, storage and formulation of OMPA with other insecticides. It also contains information on the application and effectiveness of the material. MONSANTO CHEMICAL CO. L12

Organic Chemicals. Supplement listing 40 additions to the current published list of about 3,500 organic chemicals currently available. EASTMAN KODAK CO. L13

Prepackaging. Marketing study on the economics of prepackaging lettuce to cut operating costs and waste. DUPONT CO. L14

Pressure Control. Manual devoted to explaining effective methods for automatic vacuum and pressure control; discusses various devices for controlling pressure and measuring flow rates. EMIL GREINER CO. L15

Soil Conditioners. Progress report on synthetic chemical soil conditioners discusses the theory and applications with summary of recent work in the field. MONSANTO CHEMICAL CO. L16

Stainless Steel Tanks. Specifications and dimensions of rectangular and cylindrical stainless steel tanks for use in processing industries. RODNEY HUNT MACHINE CO. L17

Temperature Control. A 64 page manual devoted to temperature control devices of specialized design. EMIL GREINER CO. L18

FOR ADDITIONAL INFORMATION — CIRCLE DESIRED ITEMS, CLIP COUPON, AND MAIL TO

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