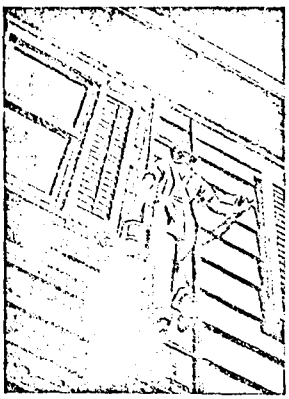
MONSANTO
CHEMICALS — PLASTICS

MILMER 1 mildew-proofs paints



The difficult problem of making paint mildew-proof can be solved with Monsanto Milmer® 1.

Paint on any surface exposed to excess humidity is particularly vulnerable to fungal attack, and research has shown that many of the outdoor painted surfaces, once thought to be discolored by dirt, actually were mildewed.

Previous attempts to develop fungus-resistant paints usually failed because of one or more of the following reasons: Paint would "seal off" the fungicide and make it ineffective; the fungicide would ruin paint quality; or the fungicide was so highly toxic that it was difficult to use.

Milmer 1 has none of these disadvantages. It is effective in small concentrations (2% or less by weight), does not affect paint quality, and is essentially nontoxic to higher animals. Milmer 1 is, by far, the most effective fungicide commonly used in paints.

Milmer 1 is easy to incorporate into paint formulations. It can be mixed with a suitable vehicle and ground like a pigment. Or, it can be added as a ready-to-use formulation.

Because of its nontoxicity and effectiveness, Milmer 1 is of special service in paints used by food processing plants, such as bakeries, dairies, meat packers, breweries, cheese plants, sugar refineries, cereal manufacturers and numerous others.

If you manufacture paints, mail the coupon for literature describing Milmer 1. If you are a user of paints, the coupon will bring you names of manufacturers offering paints mildew-proofed with Monsanto Milmer 1.

SANTICIZER 8 helps turn textile scrap into useful plastics

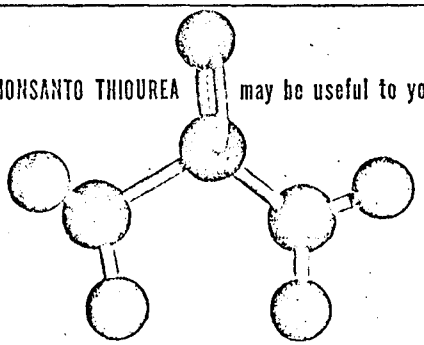
What to do with scrap of polyacrylic-type and nylon-type textile fibers?

One textile manufacturer recently called on Monsanto Technical Service to help him answer that question. He was getting from 20% to 25% scrap of a staple fiber that was costing him $1.25 per pound.

Monsanto Santicizer® 8 was found to be compatible with the fiber and, by rolling on a heated, 2-roll mill, a moderately flexible sheeting was produced. In addition, some tape was extruded. The finished plastic had excellent resistance to greases, hydrocarbons and other solvents and high resistance to abrasion. The flexibility could be adjusted by the amount of plasticizer.

If you have a problem of using scrap synthetic fibers, mail the coupon for more details.

MONSANTO THIOUREA may be useful to you



0222745

In addition to its many proved uses in industry, Monsanto Thiourea may hold numerous undiscovered applications. Perhaps you can employ the chemical to your advantage.

Thiourea now is used in photographic chemicals; in high-quality thioglycolic acid for cold permanent wave solutions; in liquefying animal glue; in the manufacture of sulfathiazole, dyestuffs and resins. It is also used by the textile industry.

Monsanto Thiourea is available for immediate delivery in 75-pound bags. It comes as white, free-flowing crystals with a maximum of 0.50% moisture and 0.05% ash.

If you are a qualified chemist and interested in experimenting with thiourea, we will be glad to send you a sample. The coupon is for your convenience.

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Send for new booklet on Monsanto Penta

If you use wood for construction or in your products, you will find Monsanto's new, 16-page booklet, "*For Maximum Wood Protection, Specify Penta*," both interesting and useful. A copy will be mailed to you promptly if you will mail the coupon.

Water-soluble fertilizers

To help meet increasing demands for plant nutrients, Monsanto has expanded production facilities of four basic soluble fertilizer chemicals—Mono Ammonium Phosphate, Di Ammonium Phosphate, Mono Potassium Phosphate, Phosphoric Acid 75%.

Greater availability of these basic fertilizer chemicals is of particular interest to fertilizer manufacturers who are developing new applications of high-analysis soluble plant foods which combine nitrogen, phosphorus, potash and, in many cases, herbicides and insecticides in addition.

Write for formulating information, with typical analysis chart.

Dicalcium Phosphate mineral feed supplement

Feed manufacturers and formulators are turning to Monsanto dicalcium phosphate—made from 99.9% pure elemental phosphorus—because it is a quality mineral supplement of uniformly high phosphorus content . . . It contains phosphorus which is virtually 100% assimilable by the animal—produces results that growers can *see* . . . Prompt deliveries, in 100-lb. bags and bulk carload lots, assured by Monsanto's strategic, convenient plant location at Trenton, Michigan . . . Contact any Monsanto District Sales Office for added information.

HB-40 Low-cost co-plasticizer

HB-40 is a low-cost, extender-type plasticizer that makes worth-while savings possible in processing vinyls—at the same time, it helps maintain product quality.

HB-40 is finding wide use in producing vinyl extrusions, vinyl pastes, vinyl slush moldings, vinyl calendering. It is also of special interest when used as a low-cost plasticizer in polystyrene casting resins, polystyrene adhesives, molding polyvinyl carbazole, strip coatings for metals, floor tile compositions, asphalt base paints.

Full information on physical properties, application and use is contained in Technical Bulletin No. P-104.

Some uses for AROCLORS

(chlorinated biphenyl and chlorinated polyphenyls)

The AROCLORS comprise a series of chlorinated biphenyl and chlorinated polyphenyls that have numerous applications in many industry operations. Important among these uses are —

In Pliolite S-5 and Marbon 9200 . . . Contribute fast-drying properties and provide excellent protection against acids, alkali, moisture and other common corrosive influences. Ask for Technical Bulletin No. P-126.

In maintenance paints . . . Add resistance to water, acids, alkali—contribute to nonflammability, adhesion and gloss. Also used in modified and synthetic rubber coatings, lacquers, vinyl protective coatings. Ask for Technical Bulletin No. P-124.

As heat-transfer medium . . . AROCLOR* 1248 is an ideal nonflammable-type liquid-phase heat-transfer medium for temperatures up to 300° C. It has been used for many years with gas-fired units in the range of 200,000 to 400,000 B.t.u. per hour—more recently in much larger units . . . Contributes freedom from fire hazards; viscosities permit pumping at room temperatures; boiling point is sufficiently above 300° C. to assure a liquid condition at all times; vaporization losses are controllable. Ask for Technical Bulletin No. P-130.

Important source of Sodium Phosphates

Monsanto is the world's leading producer of phosphates, including the sodium phosphates . . . Mined from huge deposits in Idaho and Tennessee, phosphorus matrix is converted to elemental phosphorus of better than 99% purity—this, in turn, is the source of phosphoric acid from which these phosphates are derived.

Monsanto sodium phosphates include—*Mono Sodium Phosphate*, Di Sodium Phosphate, Tri Sodium Phosphate, Tetra Sodium Pyrophosphate, Sodium Acid Pyrophosphate and Sodium Tripoly Phosphate.

For details on Monsanto sodium phosphates and their varied applications, contact the nearest Monsanto District Sales Office or write direct to the Phosphate Division in St. Louis.

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MONSANTO CHEMICAL COMPANY, 1700 South Second Street, St. Louis 4, Missouri. District Sales Offices: Birmingham, Boston, Charlotte, Chicago, Cincinnati, Cleveland, Detroit, Los Angeles, New York, Philadelphia, Portland, Ore., San Francisco, Seattle, Twin Cities. In Canada, Monsanto Canada Limited, Montreal.

**Reg. U. S. Pat. Off.*

MONSANTO
CHEMICALS PLASTICS

SERVING INDUSTRY . . . WHICH SERVES MANKIND

SEND LITERATURE: ☐ Penta Booklet. ☐ Mildew 1. ☐ Water-soluble Plant Nutrients. ☐ Bulletin P-104. ☐ Bulletin P-126. ☐ Bulletin P-124. ☐ Bulletin P-130.

SEND INFORMATION: ☐ Textile Scrap in Plastics. ☐ Suppliers of mildew-proof paint. ☐ Di Calcium Phosphate. ☐ Sodium Phosphates for .....

SEND SAMPLE: ☐ Thiourea.

MONSANTO CHEMICAL COMPANY
1700 South Second Street, St. Louis 4, Missouri

Please send, without cost or obligation, information, literature or sample as indicated at left.

Name ..... Title .....

Company .....

Street .....

City ..... Zone ..... State .....

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