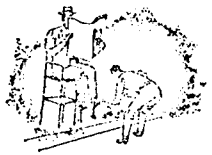
for your information...

brief summaries of helpful product news

Orthodichlorobenzene Gives Excellent Industrial Performance On Many Jobs



Orthodichlorobenzene is now available from Monsanto, ready and waiting to perform countless important tasks for all industry.

This versatile compound possesses such a wide range of chemical and physical properties that it has virtually become a standard product in dozens of fields.

It is insecticidal in nature, possesses high solvent properties and low toxicity. This combination has made it an important product for chemical processing and consumer product industries.

Weed killing, for example, is a field where orthodichlorobenzene has proved its effectiveness. Water narcissus and similar underwater vegetation quickly succumb to this chemical.

Heavier than water, the liquid settles to the bottom and envelops vital parts of the water weeds.

Dry cleaning is another use for orthodichlorobenzene. Here the high solvent power and slow evaporation rate of the compound make it an effective "spotting agent."

"Ortho" is also used as a machine shop solvent. It is particularly effective in this application because it has high solvency and a very low order of toxicity.

In addition, Monsanto orthodichlorobenzene can be used as a vehicle for carrying pigments in leather dyeing . . . as a substitute for benzene in paint and varnish removers . . . as a component of shoe polishes. It is also used in metal polishes, wool scouring, gas purification, and in scores of other industrial applications.

"Spray-on" Balm Makes Tape Adhere Better, Cuts Irritation

"Spray-on" medicated dressings and balms applied directly from aerosol-type pressure containers are now available.

One example is "Adhesive Balm Spray" made by Larson Laboratories, Erie, Pa. This balm makes adhesive tape and plastic dressings adhere better and come off without irritation. This balm also acts as an antiseptic reducing adhesive dermatitis.

In the formulation of such plastic sprays Monsanto plasticizers are an effective means of insuring exactly the right amount of plasticity desired for most efficient use. Monsanto nontoxic plasticizers have already proved their worth in plastic food wraps developed to protect fruit, vegetables and fish.



If you have a problem of this nature, write us. Monsanto is ready to help you with one of the largest, most complete lines of plasticizers. For information, send in the coupon.

Para-dichlorobenzene Shows Versatility In Many Applications

An old friend of the chemical industry, para-dichlorobenzene is more versatile than many chemical producers realize.

It is, of course, best known for its effectiveness against moths and larvae and has established a long record of success against these pests.

Not so well-known, however, are some of the other applications of para-dichlorobenzene. This compound can be used to control peach-tree borers . . . acts as an efficient deodorant . . . is a useful intermediate in the production of dyestuffs . . . aids in mildew control. A novel use is in the manufacture of products, such as abrasive wheels, which require a porous structure with rather uniform interstices.



Regardless of use, you'll find that para-dichlorobenzene made by Monsanto under the name Santochlor* has a quality and purity that's hard to beat. Santochlor is available in a wide variety of crystal sizes: No. 1, approximately ½-inch pellets; No. 0, approximately ¼-inch pellets; No. 34, approximately rice-size granules; blocking mix, a mixture of sizes under 7-mesh; fines, a mixture of sizes less than 16-mesh.

For more information on how Monsanto Santochlor can help *your* business, send in the coupon.

New Silverware Cleaners Use Thiourea to Cut Tarnish

The family silverware will be looking cleaner and brighter than ever — and with a lot less work, thanks to new-type cleaning compounds now going on the market.

With these cleaners, removing tarnish is virtually a "dip and rinse" proposition. So effective are the new compounds, that several firms are now offering this kind of product.

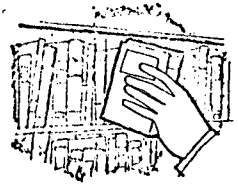
Key to cleaning effectiveness is thiourea. This chemical reacts with the tarnish (silver sulfide) and forms a soluble complex, almost immediately. To promote thorough contact between solution and silverware, a wetting agent is generally added. When the silverware is removed from solution the tarnish is gone.

To aid manufacturers in this market, Monsanto makes a high grade of thiourea and produces a complete line of wetting agents. For more information on these products mail the coupon today.

0222753

TOWOLDMON0047916
WATER_PCB-00035135

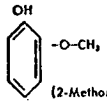
Quick Facts . Guaiacol (technical)



Guaiacol, technical, is a useful intermediate in the manufacture of flavors and perfumes. It has also been used as an "anti-skinning" agent for paints and as an inhibitor in certain petroleum specialties.

It has the following properties:

Structural Formula:

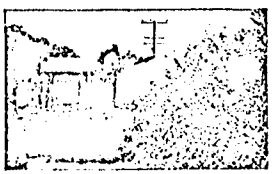


(2-Methoxyphenol)

Appearance:	Light-yellow liquid when melted
Color:	APHA 200, Maximum
Crystallizing Point:	26° C., Minimum; 27° C., Maximum
Distillation Range:	95% within 3.0° C. First drop, 203.0° C. Dry point, 210.0° C., Max.

For a technical data sheet on this product send in the coupon.

Tests Show Life of Lindane Increased With Aroclors



A marked increase in the effective insecticidal life of lindane results when chlorinated polyphenyls are used in formulation, according to recent information released by the U. S. Department of Agriculture.

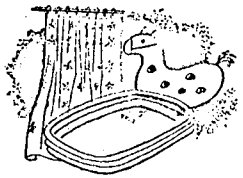
In a series of laboratory and preliminary trial studies it was found that specific chlorinated polyphenyls can be used to give either "tacky" or "wet" deposits, as desired.

These chlorinated polyphenyls, made by Monsanto under the name Aroclors,* have good solvent action on lindane and help to improve the appearance of the pesticidal residue. They also function as relatively nonvolatile, nonoxidizable, nonflammable bonding agents for lindane, imparting strong adhesion to all surfaces and reducing the evaporation of lindane to a marked degree.

High resistance of Aroclors to water and corrosive influences probably accounts for the unusually good weather durability of lindane-Aroclor noted in preliminary work.

Tests with Aroclors were conducted on both roaches and house flies. According to preliminary results, all indications point to a probable increase in the effective life of lindane of ten to twenty times. For more details on this new development, please send in the coupon.

Low-Cost Plasticizer Extender Aids Manufacturers



If plasticizer costs are cutting too deeply into your profits, you will be interested in a low-cost plasticizer extender developed by Monsanto.

Called HB-40, this compound is available at a price which makes it one of the most economical products of its kind on the market.

HB-40 plasticizer imparts good tensile strength, a dry hand and good moisture-resistant qualities to vinyl plastics.

It can be used as a coplasticizer or as an extender for primary plasticizers in:

Vinyl extrusions . . . profile, tubing, belting and wire coating, both electrical and nonelectrical.

Vinyl pastes . . . organosols and plastisols, for fabric coating, free film, floor covering and dip coatings.

Vinyl calendering . . . thin film and sheeting both supported and nonsupported.

HB-40 is also effective when used in various polystyrene resins, ethylcellulose and asphaltic compounds.

Concentrated Soluble Fertilizers a Fast-Growing New Market for Profits



There's a new, fast-growing market now opening up in the plant-nutrient field across the country . . . concentrated soluble fertilizers.

Formulators are finding that sales of these products increase quickly because of the advantages soluble fertilizers have for the average home gardener.

These fertilizers can be easily applied by hose or sprinkler. They are safe to use . . . don't cause burning. They are also light, have minimum of odor, and —best of all—are quickly taken up by the plant.

Key ingredients in many of these fertilizers are the ammonium and potassium phosphates supplied by Monsanto. Monopotassium phosphate, diammonium phosphate, monoammonium phosphate and phosphoric acid — all are available from this one source. For details on prices and shipments send in the coupon.

Improved Santomerse No. 1 Offers Greater Surface Activity

Improved wetting, greater sudsing, better color . . . those are the advantages soap formulators and detergent producers are now obtaining with the new and improved Santomerse* No. 1.

This product has been made more effective as a result of careful study and product evaluation by research and development groups. It is a typical example of the steady progress and advance in product development that is necessary to enable Monsanto to consistently supply industry with better products.

*Reg. U. S. Pat. Off.

MONSANTO CHEMICAL COMPANY
1704 South Second Street, St. Louis 4, Missouri

Please send information on:

- ☐ Orthodichlorobenzene
- ☐ Santochlor
- ☐ Nontoxic plasticizers
- ☐ Thiourea
- ☐ Guaiacol
- ☐ Aroclors
- ☐ HB-40
- ☐ Ammonium and Potassium Phosphates
- ☐ Santomerse No. 1

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

Company.....

Street.....

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

0222754

ews, February 23; Industrial & Engineering Chemistry, March, 1953.

TOWOLDMON0047917
WATER_PCB-00035136