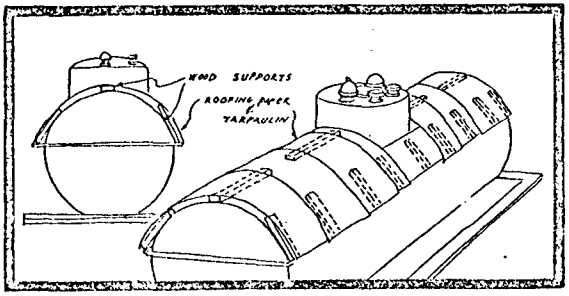
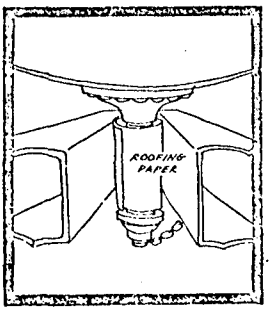
for your information...

brief summaries of helpful product news

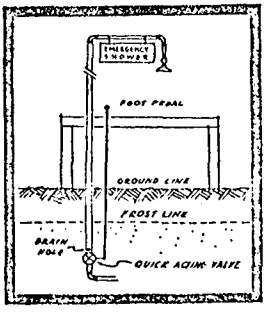
From Monsanto Technical Service: Three Tips on How to Handle PHENOL



ELIMINATE "FREEZE-UPS" AT TOP OF CAR by spreading tarpaulin or covering of roofing paper over top of tank car. This easy-to-use procedure will promote rapid melting of phenol on the hard-to-reach upper surfaces of the car shell.



FASTER UNLOADING IN COLD WEATHER is made possible by simple cylindrical shield of roofing paper or cardboard around boot. Shield aids unloading by confining steam from hose to localized area, thus warming entire section to promote rapid melting. This procedure may save you plenty of valuable time in cold weather.



ALL-WEATHER SAFETY SHOWER placed at unloading facilities gives added insurance against worker injury. It can easily be constructed as shown in diagram and should have a valve below the frost line as well as a small drain hole above the valve. Such a shower will not freeze even in coldest weather.

For copy of new booklet on phenol handling, send coupon.

Scale Cut 50% on Tanker During Santolene C Test

In an 18-month test aboard an American flag tanker, Santolene® C — Monsanto's corrosion inhibitor—reduced scale formation fifty percent!

Here are the actual test results:

	No. 5 Port No Inhibitor No Ballast	No. 5 Center Santolene "C" No Ballast
Weight loss, gms....	19.86	9.55
Inches of penetration per year	0.0064	0.0030
	No. 6 Port No Inhibitor Ballasted	**No. 6 Center Santolene "C" Ballasted**
Weight loss, gms....	18.50	8.20
Inches of penetration per year	0.0059	0.0026

Thanks to the rust-inhibiting power of Santolene C, tankers may now be able to carry high-profit, clean oil products for longer periods of time. Less rust means less expense for replacing corroded steel. Costly out-of-service time for corrosion repair —as much as three to four weeks more than normal drydocking— is cut to the bone . . . For complete information on how this proved product can help you, mail the coupon today.

New Bulletin Available On Monsanto OMPA To Control Aphids and Mites

Octamethylpyrophosphoramide (OMPA, Schradan), a systemic insecticide available from Monsanto Chemical Company in commercial quantities, is the subject of a technical bulletin published by the company's Organic Chemicals Division.

OMPA, which was approved recently for spray applications to control aphids and spider mites on ornamentals, is absorbed by a plant and distributed throughout its system to kill insects which feed on plant fluids. The chemical dissolves readily in water and is easily applied as a simple solution.

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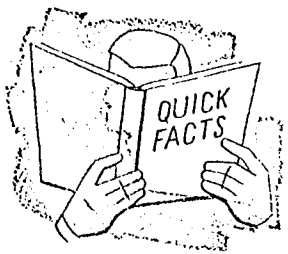
...etin emphasizes the ...andle the highly toxic ...al with extreme care, and ...udes a section on the storing, handling and formulating of OMPA and other organic phosphates. In addition, it contains information about the application and effectiveness of OMPA as well as sample formulations for aerosol mixtures, liquid formulations and emulsifiable concentrates. For your copy of the new bulletin, mail the coupon.

Benzoic Acid for Fiber Dyeing

Benzoic acid is used to dye "Dacron"† polyester fiber. The acid "carries" the dyes into the closely knit structure of the fiber, which formerly did not absorb dyes readily at atmospheric pressure in the type of equipment normally used.

Monsanto benzoic acid is said to give the best levelling and all-round fastness of the several carriers in commercial use. For information on this new application, mail the coupon.

†*Registered trade mark of E. I. DuPont de Nemours & Co., Inc.*



Sterox AJ, New Non-ionic Wetting Agent

Composition: Sterox* AJ is a non-ionic aliphatic polyoxyethylene ether-type surface-active agent.

Appearance: Sterox AJ is a light-amber liquid of medium viscosity which begins to cloud at 23° F. on cooling. The pour point is 3° F.

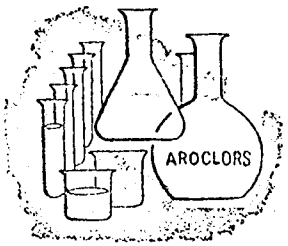
Odor: Faint and pleasing.

Specific Gravity: 1.002 at 25°C.

Stability: Sterox AJ is a non-ionic surface-active agent exhibiting extremely high wetting and detersive properties. It is chemically inert, stable and active over a wide range of conditions.

Applications: Textile processing, laundering, paper rewetting, industrial cleaning, detergent sanitizers.

For complete information send for new bulletin P-147.

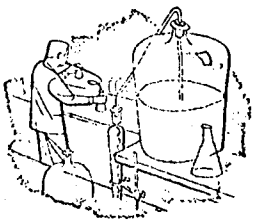


Monsanto Aroclors

Monsanto Aroclors* with their high boiling points, heat stability and chemical inertness are ideal distillation aids.

They are particularly useful as stable solvents because they can be reused several times before discarding or distilling, to restore the original refined state.

Moreover, the Aroclor acts as a stable heel in the still and allows all of the desired end product to be recovered. Other advantages include improved reaction yields and higher distillation recoveries. For more information send in the coupon.



Can Organophosphorus Compounds Help Solve Your Problem?

As a result of several years of specialized research, Monsanto is now offering laboratory quantities of several alkyl phosphites and phosphonates.

A technical data sheet on the following compounds is available:

Dimethyl phosphite
$(CH_3O)_2POH$

Trimethyl phosphite
$(CH_3O)_3P$

Dimethyl methanephosphonate
$(CH_3O)_2P(O)CH_3$

Dibutyl butanephosphonate
$(C_4H_9O)_2P(O)C_4H_9$

Bis (beta-chloroethyl) vinyl phosphonate
$(ClC_2H_4O)_2P(O)CH=CH_2$

An ever-increasing number of uses for these compounds has been developed in the following fields:

Specialty Solvents
Plasticizers
Stabilizers
Oil Additives
Chemical Intermediates

To get your copy of the technical data sheet, send in the coupon today.

*Reg. U. S. Pat. Off.

MONSANTO CHEMICAL COMPANY 10/53
1702 South Second Street, St. Louis 4, Missouri

Please send information on: ☐ Santolene C
☐ Organophosphorus compounds
☐ Aroclors in distillation

Please send: ☐ OMPA Bulletin
☐ Benzoic Acid Bulletin
☐ New Phenol Handling Booklet
☐ Bulletin P-147

Name.....Title.....
Company.....
Street.....
City.....Zone....State.....

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