Eyr Moffett, Research

Got a plastic "brain child" too good to pass, but too stubborn to process?



STOP WORRYING

Monsanto has the plasticizers you need to plasticize anything

from **A**

- Acrylics
- Aminoplasts
- Asphalt
- Casein
- Chlorinated Rubber
- Crepe Rubber
- Melamine
- Neoprene
- Nitrile Rubber
- Nylon
- Phenolics
- Polyamides
- Polybutenes
- Polyesters
- Polysulfides
- Polyvinylidene Chloride
- Polyvinylpyrrolidone
- Proteins
- Shellac
- *Silicone Rubber*
- Soya
- Styrene-Butadiene Copolymer
- Vinylidene Chloride-Vinyl Chloride Copolymer
- Vinylpyrrolidone-Vinyl Acetate Copolymer
- Zein

to **Z**

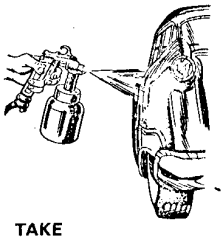


INTRACTABLE RESINS

\+ MONSANTO PLASTICIZERS

= WORKABLE NEW FORMULATIONS

This simple formula works on even your toughest plasticizing problems. It figures. Who else but Monsanto can throw more than 80 plasticizers at a recalcitrant resin?



TAKE

ACRYLIC LACQUERS

Santicizer® 160 has high solvating effect; imparts excellent gloss, gloss retention, and adhesivity. Dicyclohexyl phthalate adds film hardness, improves moisture resistance, and permits formulation to higher solids content.

To formulate *your* plasticizing problems away, contact Monsanto first.



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TAKE

ASPHALT

... protein, or shellac. *Monsanto Aroclor*® compounds make these products self-extinguishing. *Santicizer*® 8, 9, B-16 and *Santolite* MHP improve flexibility, water resistance, clarity, adhesion, and viscosity. Protein compositions. *Santicizer* 8 plasticizes shellac.

To formulate your plasticizing problems away, contact Monsanto first.

0509118

TOWOLDMON0034462



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TAKE

ASPHALT

. . . protein, or shellac. *Montar*® and *Aroclor*® compounds make asphaltic products self-extinguishing. *Santicizer*® 8, 9, B-16 and *Santolite*® MHP *improve* flexibility, water resistance, clarity, adhesion, and viscosity of protein compositions. *Santicizer* 8 plasticizes shellac.

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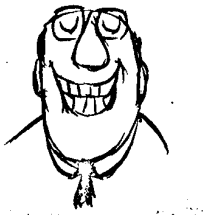

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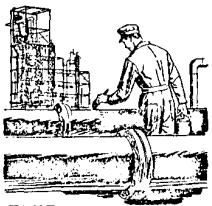

TAKE

CHLORINATED RUBBER

Aroclor® plasticizers augment resistance to acids, alkalies, moisture, and *corrosive chemicals and impart fire* retardance to chlorinated rubbers, polysulfides, and styrene-butadiene copolymers. They impart flexibility, strengthen adhesion and extend the *life of coatings. Triecresyl* phosphate, dibutyl phthalate, *HB-40*®, and *Santicizer* B-16® are also useful for flexibility and adhesion.

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TAKE

EPOXY RESINS..

Mod-Epox® reduces viscosity and a celerates cure of epoxy resins. maintains or improves electrical a physical properties . . . at 50° to 65° lower total cost than other reacti diluents. *Aroclor*® compounds yie self-extinguishing or non-burning fo *mulations and also reduce costs.*

To formulate *your* plasticizing problems away, contact Monsanto first.

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INTRACTABLE RESINS

MONSANTO PLASTICIZERS

WORKABLE NEW FORMULATIONS

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POXY

RESINS...

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Aroclor® compounds yield
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and also reduce costs.

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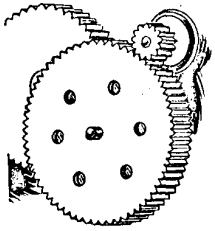

TAKE

NYLON

...and other polyamides. *Santicizer*® 8 lowers the melting point, improves processing. It imparts flexibility and toughness. *Santicizer* 3 offers somewhat greater heat stability, and *Santicizer* 1-H improves water resistance.

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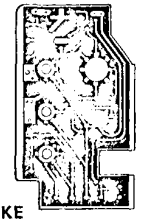

TAKE

PHENOLICS AND AMINOPLASTS

Santicizer® 9 improves flow of phenolic resins in molding or impregnating applications. It is one of the few plasticizers compatible with urea-formaldehyde, and it controls warpage and shrinkage in melamine molding by permitting lower volatile content. *Aroclor*® plasticizers and tricresyl phosphate impart flame retardance to phenolics and improve punching characteristics of laminates.

To formulate *your* plasticizing problems away, contact Monsanto first.

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INTRACTABLE RESINS

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TAKE

POLYESTER

RESINS...

nticizer® 160, dimethyl phthalate, d tricresyl phosphate dilute and de- nsitize peroxide initiators for safer, mpler polyester curing. *Santicizer* 50 also flexibilizes polyesters; d *Aroclor®* plasticizers impart me retardance, improve impact rength, and replace costly flexibil- ng polyesters.

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TAKE POLY-VINYLIDENE CHLORIDE

...or polyvinylpyrrolidone. Nontoxic *Santicizer®* 141, E-15, and B-16 are recommended for polyvinylidene chloride food wraps. *Santicizer* 141 adds superior low-temperature flexibility. *Santicizer* B-16 offers very low odor and taste. *Santicizer* 160 is an excellent general-purpose plasticizer, noted for fast and easy processing.

To formulate *your* plasticizing problems away, contact Monsanto first.

0509121

Staple



GENTLEMEN:

Please send me a copy of your new Technical Bulletin No. PL-332. "Monsanto Plasticizers for Hard-to-Plasticize Resins."

My hard-to-plasticize resin is.....

.....

The application is.....

.....

Thank you.

Name.....

Title.....

Company.....

Address.....

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

Fold Here

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