

Sept 1942
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Here comes the Future!



The world of tomorrow...a world with infinite potentialities for human betterment...is in the making *today*. Science and industry...pooling their efforts and resources to make America self-sufficient...are making discoveries which will contribute to better living.

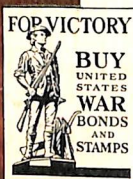
Among these discoveries is "synthetic rubber." In the search for a substitute for natural rubber, a whole series of remarkable rubber-like materials has been developed. Through the magic of synthetic organic chemistry, atoms are combined in ways that never occurred in nature, to yield materials that can be made to fit particular applications.

In many respects, these "substitutes" are superior to natural rubber. They are more resistant to oils, solvents, air, and water. Since their molecular structure can be controlled...and since the synthetic chemicals of which they are made are largely interchangeable...these materials can be produced in a great variety of novel and useful forms.

Developed by no one individual...no one organization...but by many minds working together...these amazing substances are a triumph of scientific and industrial co-operation. Today, they are being used for bullet-proof gas tanks, cable coatings, and other strategic defense purposes. Tomorrow, they will be used in clothing, house furnishings, and hundreds of other manufactured articles.

"Vinylite" plasticized resins—one type of synthetic rubber—and Butadiene, Ethylene Oxide, Ethylene Dichloride, Dichlorethyl Ether and Dichlorethyl Formal—basic chemicals used in tank car quantities for making other synthetic rubbers—are among the more than 160 synthetic organic chemicals produced commercially by Carbide and Carbon Chemicals Corporation.

The great strides made in the field of synthetic organic chemistry by Carbide and Carbon Chemicals Corporation have been facilitated tremendously by technical assistance in the use of special alloys and metals developed by Electro Metallurgical Company and Haynes Stellite Company; by the special carbon products of National Carbon Company, Inc., and by the application of many engineering and processing methods perfected by the Linde Air Products Company—which companies also are Units of Union Carbide and Carbon Corporation.



CARBIDE AND CARBON CHEMICALS CORPORATION

Unit of Union Carbide and Carbon Corporation



30 East 42nd Street, New York, N. Y.

PRODUCERS OF SYNTHETIC ORGANIC CHEMICALS