For complete information on properties, applications and prices, or technical assistance in utilizing

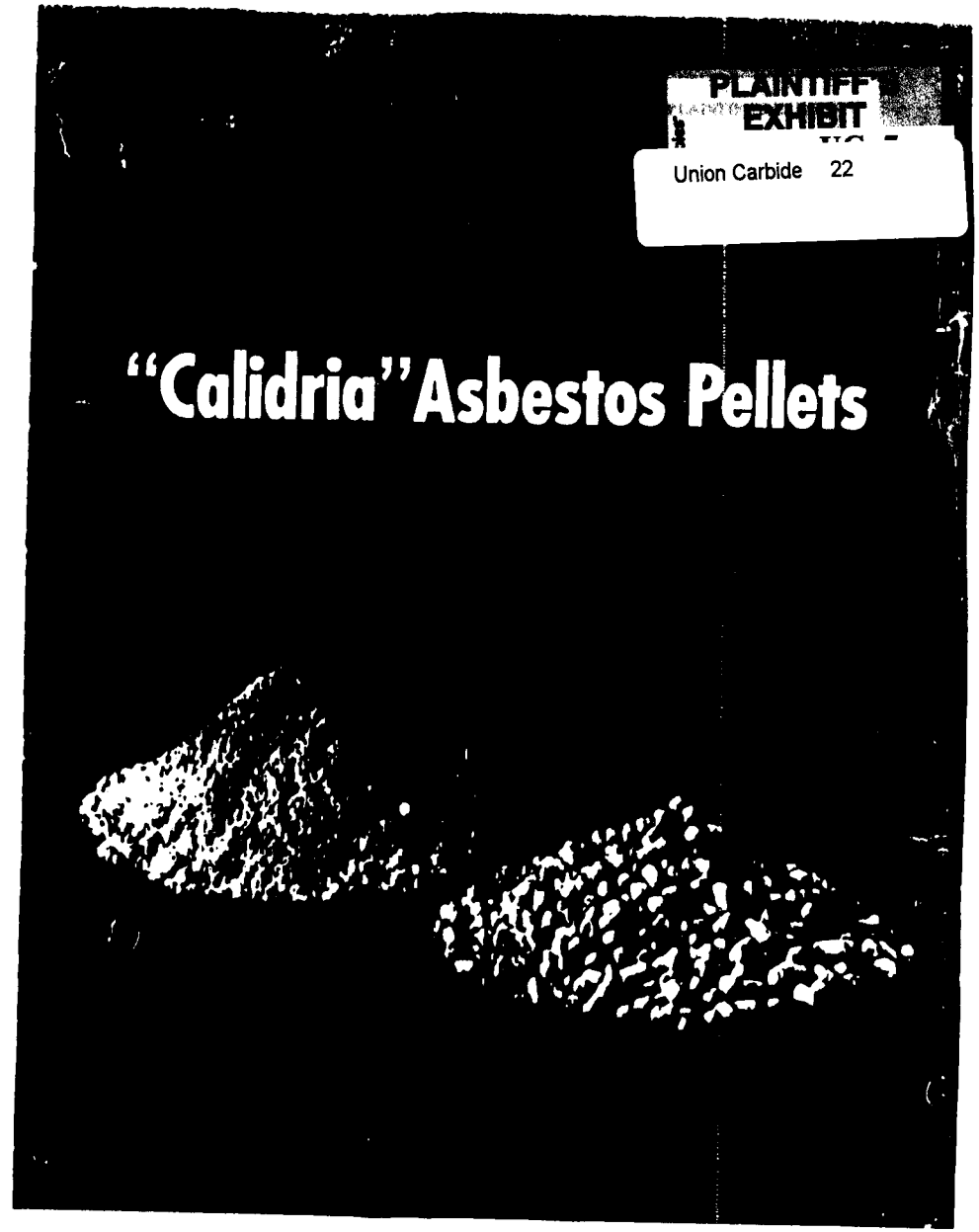
Calidria ASBESTOS

contact the nearest Union Carbide sales office or CALIDRIA Asbestos representative

Northeast: P. O. Box 579, Niagara Falls, N.Y. 14302 — Tel.: 716-278-3371
South: 17 Executive Park Drive, Atlanta, Ga. 30329 — Tel.: 404-321-6600
Midwest: P.O. Box 579, Niagara Falls, N.Y. 14302 — Tel.: 716-278-3355
West: 100 Oceangate, Long Beach, Calif. 90802 — Tel.: 213-435-3721
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UNION CARBIDE

UNION CARBIDE CORPORATION
METALS DIVISION
270 Park Avenue New York, N.Y. 10017



Union Carbide Corporation is the only source of pelletized asbestos, essentially dust-free and readily bulk-handled. The front cover of this issue shows a comparison of "Calidria" Asbestos Open Fiber and Pellets.

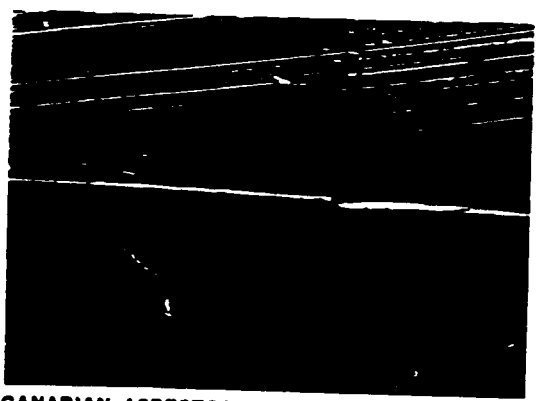
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Why is "Calidria" asbestos different?

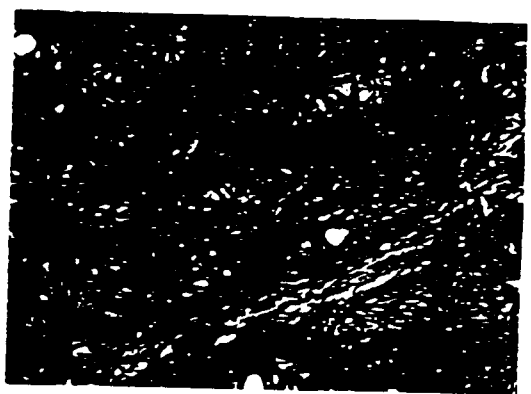
"Calidria" products are made from high-purity, short-fiber chrysotile asbestos obtained from a unique deposit about 160 miles south of San Francisco, California. Unlike conventional deposits that extend through the host rock, this deposit is essentially free of hard, consolidated rock masses. Further, the ore assays up to 60% asbestos fiber compared to conventional deposits which contain from 6 to 10% asbestos.

Special hydraulic beneficiation techniques developed by Union Carbide efficiently break down the fiber bundles and remove the rock and impurities from the asbestos fiber. As a result, all "Calidria" products are over 95% pure asbestos whose fibers are 98% liberated from fiber bundles.

RG-244 is made by additional refining to achieve over 99% purity. The fibers are then chemically coated by a patented process to form this unique, highly efficient thickener and thixotrope.



CANADIAN ASBESTOS—AS-MINED—Individual fiber bundles are straight and tightly bonded, surrounded by consolidated rock masses. In this form, the fibers defy separation from each other and from the host rock.



"CALIDRIA" ASBESTOS—AS-MINED—Here the fibers are randomly oriented and essentially free of hard rock masses. Further, the ore assays up to 60% asbestos, considerably more than the Canadian ore.



"CALIDRIA" ASBESTOS—IF DRY-PROCESSED—Even the most exacting dry processes do not completely break down the fiber bundles into individually liberated fibers. Union Carbide technology developed a special wet process to liberate the fibers.



"CALIDRIA" ASBESTOS—UNIQUELY WET-PROCESSED — Union Carbide's process separates 98% of the fibers from the fiber bundles. RG-244 fibers are over 99% pure asbestos and chemically coated to provide an efficient thickener and thixotrope.

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FIG. 2—*Chrysotile and epoxy stained with iodine-glycerine-alcohol solution (Solution 2)*: (left) ×*100* and (right) ×*500*.

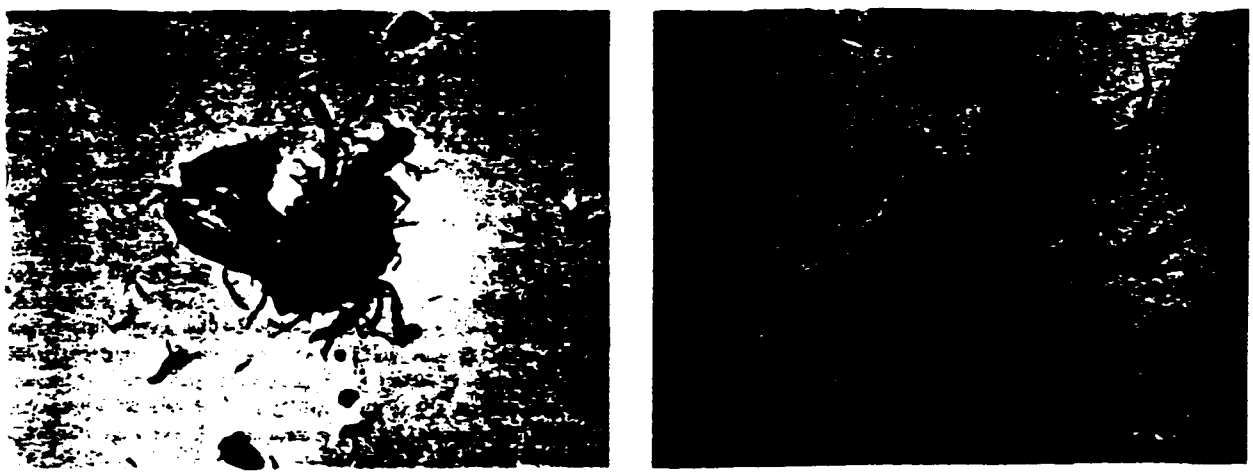


FIG. 3—*Chrysotile stained with iodine-benzene solution (Solution 5)*: (left) × *100* and (right) ×*500*.

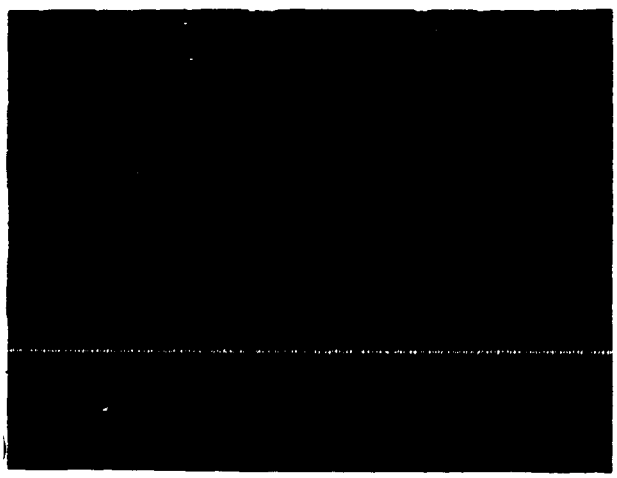


FIG. 4—*Chrysotile, free and encapsulated, in polyester resin, stained with sublimed iodine* (×500).



FIG. 5—*Typical dust sample collected during grinding of polyester resin, chrysotile (10%), glass, mica, and calcite plaque in iodine-benzene solution (Solution 5,* ×*500*).