

# American Dyestuff Reporter

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### Vol. 68 1979

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## Silicones: Dow Corning

A newly-revised 40-page "Guide to Dow Corning Products" summarizes the applications, descriptions, and benefits of more than 250 silicone products.

The guide is conveniently arranged in two sections—one industry related, and one for product selection. Twenty-one major silicone using industries, including textiles, are featured.

Product selection tables list benefits, features, and important technical properties for 34 types of Dow Corning products.

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## DYEING

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ing range.

Among the ribbon dyeing machines displayed by the German firm Mageba was its Mageba-Midi, a unit with a working width 625 mm. It comes equipped with a dyeing and impregnating padding mangle with two or three rollers and a steam heatsetting chamber of 45, 60, 90 or 120 m.

The Mezzeraflux TI, an atmospheric rope dyeing machine using the overflow system, was shown by Mezzera. It comes in one to six modules and is designed to handle delicate fabrics such as acetate, wool, acrylic and silk, as well as heavier fabrics. Capacity ranges from 100 to 600 kg.

Among the other units shown by Mezzera were:

The Model VGJ jumbo jig capable of handling fabric loads with a roll diameter of up to 1300 mm at speeds of up to 150 m/min.

The Rapidflux JTA atmospheric rope dyeing machine, a jet with a low liquor ratio of 5:1 in which fabric can be processed at speeds of up to 400 m/min. It comes in two and four tube models with capacities of 200-400 kg. The Rapidflux JTA dyes knits and wovens and is suitable for cotton, viscose, acetate and wool and their blends.

Cut-R circular rapid jet for rope dyeing under pressure, a jet which comes in one, two and three tube models, each tube having a capacity of 100 kg of fabric. The Cut-R is designed for dyeing polyester and blends.

The VDPA hank dyeing machine, which has a capacity of from 290 to 340 kg without reels or 260 to 300 kg with reels.

The Unispace space dyeing machine was described by SACM officials. Three versions are offered by the French company: one which prints hanks continuously; another which prints carpet yarns continuously giving them medium and long space effects; and a third which prints silvers.

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## More Cordura coming on stream

Du Pont Co.'s Textile Fibers Department is doubling its capacity for producing "Cordura" nylon. The multi-million dollar expansion will be completed in late 1981 at manufacturing facilities in Chattanooga, Tenn.

Cordura nylon is a bulked continuous filament yarn with high strength and excellent abrasion resistance. It has long been a mainstay for backpacking and camping gear because of its properties and because it weighs about half as much as comparable cotton canvas and can be dyed uniformly. In the past two years, this premium nylon has been gaining popularity in the fashion-oriented, soft-sided luggage market.

Other markets include chafer fabric for tires and fire hose reinforcement where Cordura nylon has replaced cotton because of its strength as well as abrasion, mildew and rot resistance.

## RECYCLING

[Continued from page 37]

Bryan Rock of Wira was heavily involved as have been present and past members of the effluent team at Wira.

Mention must be made of the cooperation and contribution of Bruce Murgatroyd, managing director, and the staff and work-force of Henry Lister & Sons Ltd., as must the contribution from members of the YWA. Finally, the help and interest of Dept of Environment and Department of Industry (through GARB) have been of immense value.

Based on a paper presented at the 10th Shirley International Seminar held May 9-11, 1978.