

**Tectyl**<sup>®</sup> 823EM**Description**

TECTYL<sup>®</sup> 823EM is an internal combustion engine oil and corrosion preventive. The film is oily and translucent. TECTYL<sup>®</sup> 823EM is approved under

General Motor's Electromotive Division, Approval Number 130-OI-26.

**Laboratory Data**

Flash, PMCC\*, Minimum  
Density, Weight/Gallon @ 77°F (25°C)  
Specific Gravity @ 60°F (15.6°C)  
Recommended Dry Film Thickness over Metal Profile  
Theoretical Coverage @ Recommended DFT  
Non-Volatile % by Weight  
Non-Volatile % by Volume  
Volatile Organic Content (VOC), Maximum  
Viscosity @ 40°C (Centistokes)  
Viscosity @ 100°C (Centistokes)  
Pour Point  
Zinc (PPM)  
SAE Number

**Typical Properties**

480°F  
7.5 ± 0.1 lbs./gallon  
0.907  
0.3 mils  
5,300 sq. ft./gallon  
100  
99 ± 1  
0 lbs./gallon  
196 cSt  
14.5 cSt  
-5°F  
<10  
40

**Accelerated Corrosion Tests:**

100% Relative Humidity (Hours)  
ASTM D-1748 @ Recommended DFT  
(2x4x1/8 in. Polished Steel Panels) 360

\*PMCC (Penske Martin Closed Cup)

\*\*ASTM (American Society for Testing and Materials)

## Surface Preparation

The maximum performance of TECTYL<sup>®</sup> 823EM can be achieved only when the metal surfaces to be protected are clean, dry, and free of rust, oil, and mill scale. Daubert Chemical Company recommends that the metal substrate temperature be 50 - 95°F (10 - 35°C) at the time of product application.

## Application

Ensure uniform consistency prior to use. Apply at 50 - 95°F (10 - 35°C). TECTYL<sup>®</sup> 823EM is miscible and compatible with all conventional 10, 15, 30, and 40 weight internal combustion oils. The use of TECTYL<sup>®</sup> 823EM to prepare used engines for storage may result in its dilution with contaminated engine oil. Treating multiple units with the same oil charge will result in a decrease in protection because of oil dilution. Reuse of TECTYL<sup>®</sup> 823EM should be restricted to no more than 3 units. Complete draining of the crankcase and oil sumps is recommended before treating with TECTYL<sup>®</sup> 823EM. TECTYL<sup>®</sup> 823EM can be applied by spray, circulation, or dip.

## Removal

TECTYL<sup>®</sup> 823EM can be removed with TECTYL<sup>®</sup> HPS solventborne thinner, vapor degreasing, or low pressure steam. TECTYL<sup>®</sup> 823EM can be removed from fabrics by normal dry cleaning procedures. Avoid the use of chlorinated or highly aromatic solvents when removing from painted surfaces, as these solvents may adversely affect paint.

## Caution

Refer to Daubert's Material Safety Data Sheet for health and safety information.

## Note:

The addition of any product over or under this coating is not recommended. The use of additional coatings could result in chemical incompatibility, thus adversely affecting the performance of this coating as stated in the lab data section. If a product other than Daubert Chemical Company's recommended product is required, written authorization must be obtained from Daubert Chemical Company.

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**CAUTION:** The data, statements and recommendations set forth in this product information sheet are based on testing, research and other development work which has been carefully conducted by us, and we believe such data, statements and recommendations will serve as reliable guidelines. However, this product is subject to numerous uses under varying conditions over which we have no control, and accordingly, we do NOT warrant that this product is suitable for any particular use. Users are advised to test the product in advance to make certain it is suitable for their particular production conditions and particular use or uses.

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REFER TO MATERIAL SAFETY DATA SHEET FOR HEALTH AND SAFETY INFORMATION.

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CHEMICAL COMPANY, INC.

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