



PRODUCT INFORMATION

DAUBERT
CHEMICAL COMPANY, INC.

Tectyl® 810

Description

TECTYL® 810 is a water emulsifiable, oil concentrate corrosion preventive compound. The film is thin and

oily. TECTYL® 810 has excellent lubricity for a variety of industrial metalworking.

Laboratory Data

Typical Properties

Flash, COC*, Minimum	325°F
Density, Weight/Gallon @ 77°F (25°C)	7.7 ± 0.2 lbs./gallon
API Gravity @ 60°F (15.6°C)	19.2-21.4
Specific Gravity @ 60°F (15.6°C)	0.92
†Recommended Dry Film Thickness over Metal Profile	0.05 mils
†Theoretical Coverage @ Recommended DFT	31,438 sq. ft./gallon
Non-Volatile % by Weight	99 ± 1
Non-Volatile % by Volume	98 ± 1
Volatile Organic Content (VOC), Maximum	0.23 lbs./gallon
Pour Point	-5°F
†Falex 3500 pound load	Pass

Accelerated Corrosion Tests:

†5% Salt Spray (Hours) ASTM** B-117 @ Recommended DFT (2x4x1/8 in. Polished Steel Panels)	144
†100% Relative Humidity (Hours) ASTM D-1748 @ Recommended DFT (2x4x1/8 in. Polished Steel Panels)	1200
†DIN***50017SK @ 1.25 microns (125 x 200 mm DIN 1623 Panels)	

*COC (Cleveland Open Cup)

**ASTM (American Society for Testing and Materials)

***DIN (Deutsche Industrie Normen)

†Data based upon 10 percent TECTYL 810 in water

Surface Preparation

The maximum performance of TECTYL[®] 810 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

TECTYL[®] 810 is primarily applied in water emulsions in 5 to 25 percent concentrations. Proper concentrations of TECTYL[®] 810 should be evaluated before implementing its use. Consult Daubert Chemical Company for further information. TECTYL[®] 810 may be used in recirculating systems at 40 - 120°F (4 - 49°C). When mixing, always add the oil to the water with the oil and water at 70 - 90°F (21 - 32°C).

Removal

TECTYL[®] 810 can be removed if necessary with TECTYL[®] HPS solventborne thinner, vapor degreasing, or standard hot alkali systems.

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

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