

Tectyl[®] 282

Description

TECTYL[®] 282 is a water displacing, solvent cutback, oil concentrate corrosion preventive compound, lubricant, and penetrant. The film is oily, transparent, and non-

staining. TECTYL[®] 282 is used in its diluted form to protect ferrous and non-ferrous industrial parts and transportation components.

Laboratory Data

Typical Properties

Concentrate

Flash, PMCC*, Minimum	185°F
Density, Weight/Gallon @ 77°F (25°C)	7.4 ± 0.1 lbs./gallon
Viscosity @ 100°F (37.8°C), SUS	313
API Gravity @ 60°F (15.6°C)	27
Specific Gravity @ 60°F (15.6°C)	0.89
Non-Volatile % by Weight	93 ± 1
Non-Volatile % by Volume	92 ± 1
Volatile Organic Content (VOC), Maximum	0.52 lbs./gallon

TECTYL[®] 282 Reduced 1 to 4 with Mineral Spirits†

140 Solvent can be used if a higher flash point is required.

Recommended Dry Film Thickness over Metal Profile	0.1 mils
Theoretical Coverage @ Recommended DFT	2,250 sq. ft./gallon
Non-Volatile % by Weight	17 ± 1
Non-Volatile % by Volume	14 ± 1
Volatile Organic Content (VOC), Maximum	6.3 lbs./gallon
Cure Time	2 - 3 hours

Accelerated Corrosion Tests:

5% Salt Spray (Hours)	
ASTM** B-117 @ Recommended DFT	96
(2x4x1/8 in. Polished Steel Panels)	
100% Relative Humidity (Hours)	
ASTM D-1748 @ Recommended DFT	2000
(2x4x1/8 in. Polished Steel Panels)	

*PMCC (Penske Martin Closed Cup)

**ASTM (American Society for Testing and Materials)

†Diluted using Rule 66 mineral spirits

Surface Preparation

The maximum performance of TECTYL® 282 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. TECTYL® 282 is designed to be diluted 1 to 4 with mineral spirits. Always add the solvent to the TECTYL® 282 concentrate; never add TECTYL® 282 concentrate to pure mineral spirits. Continuous stirring or thinning is generally not required. Daubert Chemical Company recommends that the ambient and product temperature be 50 - 95° F (10 - 35°C) at time of application.

Removal

TECTYL® 282 can be removed with TECTYL® HPS solventborne thinner, vapor degreasing, hot alkaline wash, or low pressure steam. TECTYL® 282 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

Adequate ventilation is required for cure and to ensure against formation of a combustible atmosphere. THE PARTIALLY CURED FILM SHOULD NOT BE EXPOSED TO IGNITION SOURCES SUCH AS FLARES, FLAMES, SPARKS, EXCESSIVE HEAT, OR TORCHES. Refer to Daubert's Material Safety Data Sheet for additional handling and first aid 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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