

Tectyl[®] 517

Description

TECTYL[®] 517 is a solventborne, thixotropic corrosion preventive compound designed for rustproofing transportation equipment. The dry film is black and semi-firm. TECTYL[®] 517 is approved under military specifications MIL-C-0083933A and under MIL-C-62218A, Types I and II, QPL Reference Numbers

AR-18-85 and 2-7515, respectively. TECTYL[®] 517 possesses dielectric strength of 800 volts per dry mil of coating. TECTYL[®] 517 provides galvanic corrosion protection and can be applied on battery terminals for insulating purposes.

Laboratory Data

Typical Properties

Flash, PMCC*, Minimum	105°F
Density, Weight/Gallon @ 77°F (25°C)	7.79 ± 0.1 lbs./gallon
Specific Gravity @ 60°F (15.6°C)	0.94
Recommended Dry Film Thickness over Metal Profile	5 mils
Theoretical Coverage @ Recommended DFT	144 sq. ft./gallon
Non-Volatile % by Weight	54 ± 1
Non-Volatile % by Volume	45 ± 2
Volatile Organic Content (VOC), Maximum	3.74 lbs./gallon
Approximate Dry to Touch Time @ 77°F (25°C)	2 - 4 hours
Cure Time	24 hours
High Temperature Flow Point, Minimum	225°F
Dielectric Strength, volts/dry mil (ASTM D-149-92)	800

Accelerated Corrosion Tests:

5% Salt Spray (Hours)	
ASTM** B-117 @ Recommended DFT	1500
(2x4x1/8 in. Polished Steel Panels)	

*PMCC (Penske Martin Closed Cup)

**ASTM (American Society for Testing and Materials)

Surface Preparation

The maximum performance of TECTYL® 517 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® 517 is formulated to be used as supplied. Ensure uniform consistency prior to use. Continued stirring is generally not required. If the product thickens due to cold storage or loss of solvent during use, contact Daubert Chemical Company. DO NOT THIN TECTYL® 517. Incorrect thinning will affect film build, dry time and product performance. Daubert Chemical Company recommends that the ambient and product temperature be 50 - 95°F (10 - 35°C) at time of application. TECTYL® 517 can be spray applied.

Removal

TECTYL® 517 can be removed with TECTYL® HPS solventborne thinner, vapor degreasing, hot alkaline wash, or low pressure steam. TECTYL® 517 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.

Storage

Store TECTYL® 517 at temperatures between 50-95°F (10-35°C). Mild agitation is recommended prior to use.

Caution

Adequate ventilation is required for cure and to ensure against formation of a combustible liquid. 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.

June 30, 2010:kc

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 numerable 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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