



Product Information



A PRODUCT OF THE VALVOLINE COMPANY A DIVISION OF ASHLAND INC.

TECTYL 511-M

Description

TECTYL 511-M is a solvent cutback, waterdisplacing, oil based corrosion preventive compound.

TECTYL 511-M meets the performance requirements of Military Specification MIL-C-16173 D, Grade 5.

TECTYL 511-M is designed to protect ferrous and non-ferrous industrial parts and transportation components during covered shipment and inside storage.

TECTYL 511-M cures to a light amber colored, transparent oily film.

Typical Properties

Flashpoint; PMCC	40	°C
Specific Gravity @ 60°F	0.85	kg/ltr
Recommended Dry Film Thickness	7.5	microns
Theoretical Coverage @ Avg. Recommended DFT	52.4	m ² /l
Non Volatile	45	weight %
Viscosity; DIN (53 211) Cup No. 2 @ 20°C (at time of manufacture)	45	seconds
Cure Time @ 25°C	± 24	hours
Volatile Organic Content (VOC) (ASTM D-3960)	464	g/l

Accelerated Corrosion Tests:

@ Avg. Recommended DFT

Humidity; 100 % RH; @ 40°C; DIN 50 017-KK (DIN 1623 Steel Panels)	464	hours
Humidity; 100 % RH; @ 50°C; ASTM D-1748 (2x4x1/8" Polished Steel Panels)	1000+	hours

This information only applies to products manufactured in the following location(s): Europe

Effective Date:
12-Jun-06

Replaces:
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Author's Initials: JAvM
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Surface Preparation:

The maximum performance of **TECTYL 511-M** can be achieved only when the metal surfaces to be protected are clean, dry and free of rust, oil and mill scale. Valvoline recommends that the metal substrate temperature be 10-35 °C at the time of product application.

Application:

TECTYL 511-M 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 Valvoline. **DO NOT THIN TECTYL 511-M**. Incorrect thinning will affect film build, dry time and product performance. Valvoline recommends that the ambient and product temperature be 10-35 °C at the time of product application. **TECTYL 511-M** can be applied by airless or airmixing spray or dipping.

Removal:

TECTYL 511-M can be removed with mineral spirits or any similar petroleum solvent, hot alkaline wash or low pressure steam.

Storage:

TECTYL 511-M should be stored at temperatures between 10-35 °C. Mild agitation is recommended prior to use. Due to its composition **TECTYL 511-M** can be subject to postproduction viscosity changes during storage.

Under proper storage conditions **TECTYL 511-M** can have a shelf life of 3 years minimum.

Caution:

Adequate ventilation is required for cure and to ensure against formation of combustible liquid. **THE PARTIALLY CURED FILM SHOULD NOT BE EXPOSED TO IGNITION SOURCES SUCH AS FLARES, FLAMES, SPARKS, EXCESSIVE HEAT OR TORCHES.** Refer to Valvoline'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 affecting the performance of this coating as stated in the Typical Properties section. If a primer, other than a Valvoline recommended product is required, written authorization must be obtained from Valvoline.

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