

JMN SPECIALTIES, INC.

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PRODUCT BULLETIN

MIL-PRF-16173E Grade 1 Class 1

Water Displacing Rust Preventative

General Description

MIL-PRF-16173E Grade 1 is an dark colored, high melting point, resilient coating designed to provide long term protection of metal surfaces. **MIL-PRF-16173E Grade 1** is applied as a solution in a volatile solvent. The residual film, after solvent evaporation, is highly resistant to salt water and salt spray. **MIL-PRF-16173E Grade 1** is supplied ready to use to simplify handling and application of the product.

Performance Results

MIL-C-16173E, G1	Film Thickness		Hours to Fail Humidity Cabinet on Polished Steel	Water Displacement	Non- Staining
	Mils	Microns			
	3.50	88.9	60+	Pass	Pass

Application

MIL-PRF-16173E, Grade 1 Class 1 can be applied by dipping the parts to be protected in a vat or spraying the parts to be protected with air sprayers, pump type sprayers or by pouring the product over the parts. Removal of protective films is accomplished by using a steam cleaner or washing the parts in mineral spirits.

Physical Properties

Appearance	Thick, Dark Black Liquid
Odor	Solvent Odor
Specific Gravity	0.85 - .90
Flash Point	> 106° F
Low Temperature Flexibility -29°C (-20°F)	Excellent
Dry Film Thickness (DFT) 60 microns	350 - 400 square foot per gallon

MIL-PRF-16173E, Grade 1 Class 1 also meets the following MIL-SPECS: MIL-C-16173D/E Grade 1, Class 1.

Availability

MIL-PRF-16173E, Grade 1 Class 1 is available in UN approved 5 gallon pail, 55-gallon drums and bulk quantities.

Handling

Observe warning label on containers. Normal precautions for industrial chemicals apply. This document does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this product to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

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