



## PRODUCT BULLETIN

### MIL-C-16173 Grade 1

#### Heavy Duty Protective Coating

##### General Description

**MIL-C-16173 Grade 1** is an dark colored, high melting point, resilient coating designed to provide long term protection of metal surfaces. **MIL-C-16173 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-C-16173 Grade 1** is supplied ready to use to simplify handling and application of the product.

##### Performance Results

MIL-C-16173 Grade 1	Film Thickness		Days to Fail Humidity Cabinet on Polished Steel	Days to Fail 5% Salt Spray
	Mils	Microns		
	3.50	88.9	60+	45+

##### Application

**MIL-C-16173 Grade 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 - 0.90
Flash Point (minimum)	108 <sup>B</sup> F
Low Temperature Flexibility -29°C (-20°F)	Excellent

**MIL-C-16173 Grade 1** meets following MIL-SPEC: **MIL-C-16173 Grade 1**.

##### Availability

**MIL-C-16173 Grade 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.