

CODE IDENT
10031

WS 14173

NAVAL ORDANCE SYSTEMS COMMAND

DEPARTMENT OF THE NAVY

PURCHASE DESCRIPTION

COMPOUND CORROSION PREVENTIVE, ULTRA-THIN, TRANSPARENT

1. SCOPE

1.1 SCOPE - This purchase description covers an ultra-thin transparent water displacing, corrosion preventive compound which may be applied by aerosol, brush, dip or spray.

1.2 CLASSIFICATION - The corrosion preventive compounds shall be of the following types, as specified:

Type I - Aerosol Application

Type II - Brush, Dip or Spray Application

2. APPLICABLE DOCUMENTS.

2.1 The following documents, of the issue in effect on date of invitation for bids, form a part of this specification to the extent specified herein:

SPECIFICATIONS

FEDERAL

1. QQ-M-44 Magnesium Alloy, Plate and Sheet (AZ31B)
2. PPP-C-96 Cans, Metal, 28 Gage and Lighter
3. QQ-A-250/4 Aluminum Alloy Plate and Sheet, 2024

FSC 8030

Naval Ships Engineering Station

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August 11, 1972

<u>W/S 1413S Test</u>	<u>Requirement</u>	<u>#711 Results</u>
13. Corrosion Test - MIL-C-23411A:	No Pitting or Etching - Limited Weight Loss:	
<u>Metals</u>		
Brass	1.0	0.039 loss
Solder	20.0	0.910 loss
Zinc	7.5	0.006 gain
Magnesium	0.5	0.433 loss
Aluminum	0.2	0.009 gain
Steel	0.2	0.027 gain
19. Wearage	None	None
10. Flash Point °F.	125° F. Min. TOC Type II (Bulk) Fed. Std. 791, 1103.6	130° F. Min.
	140° F. Min. TOC Type I (Aerosol) ASTM D 1313 55 T	140° F. Min.
11. Film Thickness	0.15 mils or less	0.15 mils max
12. Sprayability	Sprayable	Sprayable
13. Staining	None	None
14. Removability	Removes easily with P-D-680	Easily Removable

In addition, we wish to state the following characteristics and qualities of our Product #711 Penetrant-Lubricant, Corrosion Inhibitor, Demolstrant:

COLOR, ASTMD 1500	3-1/2 L
API Gravity @ 60°F.	41.7
Specific Gravity, 60, 60°F.	0.8170
Viscosity, cs @ 100°F.	2.21
% Non-Volatile (Fed. Std. 791, 3430)	24.6
% Volatile (Fed. Std. 791, 3430)	75.4
Initial Boiling Point, °F.	250°F.
Pour Point, °F.	Below -65
Falex Step Test	More Than 750

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