

# NAV GUARD<sup>TM</sup>

MIL-PRF-81309H

**CORROSION PREVENTATIVE COMPOUND, WATER DISPLACING, ULTRA-THIN FILM**

Developed by Naval Air Systems Command (NAVAIR) **NavGuard** is an ultra-thin film, corrosion preventative compound intended for use on any metal surface. It can be used both for initial protection during shipment and storage, and for in-service treatment. The ability of this material to prevent corrosion and displace water make it particularly suited for service use. The combination of properties of MIL-PRF-81309 provide the necessary requirements for a corrosion preventing compound for use in the extreme naval aviation environment. Excellent for indoor protection and short term protection outdoors where surfaces can be recoated when required.

### **NavGuard I**

**MIL-PRF-81309H TYPE I**  
(with Mildew Inhibitor)



Fortified with a synergistic technology designed to prevent the growth of fungi, molds and mildews in the coating both in the wet state and in the dried film while simultaneously preventing corrosion.

### **NavGuard**

**MIL-PRF-81309H TYPE II**  
(Airframe and General Purpose grade)



Intended for use on moving parts where some lubrication is required, such as hinges, bomb racks and sliding parts. Also suitable for general purpose use.

**MIL-PRF-81309H TYPE IV**  
(Advanced corrosion preventative compound)

Specified for use in corrosion prone areas and applications.



## TECHNICAL SPECIFICATIONS

- Film Appearance: light amber
- Film Thickness: 0.5 mil
- Neutral Salt Fog: >1,600 hours
- Acid Salt Fog: > 2 cycles\*  
(carbon steel)
- Dielectric Strength: > 28,000 volts
- Functional Penetration: > 90% wetted
- Friction Coefficient: < 0.18
- Flash Point: 65°C / 149°F
- Storage Stability: 2 years

\*Unacceptable corrosion is not more than three rust spots less than 1 mm in diameter, excluding the area within 1/8 inch of the panel edges or hole

## DEVELOPED FOR THE EXTREME NAVAL AVIATION ENVIRONMENT

**NOW AVAILABLE FOR YOUR MOST EXTREME AVIATION AND INDUSTRIAL APPLICATIONS**

### GREAT FOR

- Industrial, medical and offshore helicopters
- Oil rigs, oilfield equipment and service vehicles
- Commercial marine industries and equipment
- Acidic environments such as water and sewage treatment facilities
- Storage of ferrous and aluminum parts



All Products 100% Made In The USA

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