MIL-PRF-81309H

CORROSIONX® AVIATION

PRODUCT DATA SHEET

PHYSICAL CHARACTERISTICS

Color	Greenish Brown	Volume Solids	>92%
Appearance	Clear	Film Thickness	0.0004"
Odor	Fresh Scent	pH	NA
Specific Gravity @ 15.6˚C	0.895	Vapor Pressure @ 38˚C	>1mm Hg.
Viscosity, cSt @ 40˚C	33.2	Solubility in Water	Slightly Emulsifiable
cSt @ 100˚C	7.0	Boiling Point	>200˚C
Flash Point c.o.c.	143˚C	Weight per Gallon	7.46 lbs.
		Coverage	Approx. 3,3000 sq ft / gal

PERFORMANCE PROPERTIES

Corrosion Protection:	Salt Spry, hrs.	>336*	ASTM B117
	(Film Thickness)	0.19 mils	
	Humidity Cabinet, hrs.	>1320	ASTM D1748
Electrical:	Dielectric Strength	>39,000V (typ.)	ASTM D877
Lubrication:	Anti-Wear	0.249 mm**	ASTM D4172

**Polished 1020 carbon steel panel. 0 - <1% surface rust
**Note: The smaller the number, the better the performance. A standard lubricating oil of the same viscosity would yield a value of 1.0 - 1.2 mm.

COMPATIBILITY WITH MATERIALS

Rubber: No visible effect on Nitrile / Buna-N, Viton® or Neoprene products. Slight swelling and/or softening of butyl rubber items.

Adhesives and Sealants: Usually no effect but some adhesives may soften and sealants with silicone may experience slight swelling. Recommend a small test sample prior to widespread application.

Painted Surfaces: Paints typically used on aircraft, automobiles and machinery are unaffected by CorrosionX. Polishes and some wax coatings may soften by the application of ***any*** hydrocarbon product.

Plastics / Composites: CorrosionX is compatible with most commonly-encountered plastics such as: acrylic, polyester, nylon, vinyl, Delrin®*, PTFE, Formica®**, polyethylene and polypropylene. Should there be any question when other types of plastics are involved, it is suggested a small sample be tested.

Fabrics: CorrosionX will be absorbed into the fibers of most fabrics, thereby creating slight staining. The stain is not permanent and may be removed with naphtha or mineral spirits.

Storage: Bulk: Store at room temperatures (50˚F or more). Aerosols not more than 120˚F.

Shelf Life: Bulk: Indefinite (as long as container remains capped). Aerosols: 3 years

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