MIL-PRF-81309F

CORROSIONX® AVIATION

PRODUCT DATA

PHYSICAL CHARACTERISTICS

Color	Brown	Volume Solids	>90%
Appearance	Clear	Film Thickness	0.0004" in typ.
Odor	Fresh Scent	pH	NA
Specific Gravity @ 15.6°C	0.880	Vapor Pressure @ 38°C	1mm Hg.
Viscosity, cSt @ 40°C	47.3	Solubility in Water	Slightly Emulsifiable
cSt @ 100°C	7.0	Boiling Point	>200°C
Flash Point c.o.c.	>132°C	Weight per Gallon	7.1 lbs.
Non-toxic			

PERFORMANCE PROPERTIES

Corrosion Protection:	Salt Spry, hrs.	96	ASTMB-117
	(Film Thickness)	0.19 mils	
	Humidity Cabinet, hrs.	1320	ASTMD-1748
Electrical:	Dielectric Strength	>39,000V	ASTMD-877
Lubrication:	Anti-Wear	0.40 mm*	ASTMD-4172

*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 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: CorrosionX is compatible with most commonly-encountered plastics such as: Acrylic, Polyester, Nylon, Vinyl, Delrin, Teflon, 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