MIL-C-81309E TYPE II

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