

PROTECTS, PENETRATES, LUBRICATES ALL METALS & ELECTRONICS

ACF-50, Anti-Corrosion Formula, is a state of the art, anti-corrosion lubricant compound, specifically designed for the Aero Space Industry. ACF-50's unique chemistry offers excellent penetration, coupled with an unmatched 24 months of "active" corrosion protection.

Designed specifically to perform as both a Corrosion Inhibiting Compound (CIC) and a Corrosion Prevention Compound (CPC). It is an ultra Thin Fluid Film Compound (TFFC) that actively treats metal using advanced polar bonding technology. ACF-50's synthetic inhibitors and active chemistry penetrates through the oxide deposits to the base of the corrosion cell where it emulsifies, encapsulates, and then lifts the electrolyte away from the metal surface. ACF-50 allows this moisture to evaporate while providing an atmospheric barrier that prevents further moisture contact. With the electrolyte removed the corrosion process is halted.

ACF-50 actively penetrates and "creeps" into the tightest seams, lap joints, micro cracks, and around rivet heads, displacing moisture and other corrosive fluids in these corrosion prone areas. ACF-50's resulting dielectric fluid film acts as an 'off-switch' for the corrosion process.

- ◊ Clean, clear ultra thin fluid
- ◊ Non-greasy atmospheric barrier
- ◊ Spray directly into electrical connections
- ◊ Prevents corrosion induced failures
- ◊ Extends component life
- ◊ ACF-50 is Non-Toxic according to EPA / OSHA standards.
- ◊ VOC compliant world wide.



ACF-50 Performance Qualified

MIL-PRF 81309

CHARACTERISTICS / REQUIREMENTS	RESULTS	CHARACTERISTICS / REQUIREMENTS	RESULTS
- Minimum flash point / 60°C (140°F)	Conforms / 175°F	- Corrosivity / No visible corrosion	Conforms
- Synthetic Sea Water Displacement / No visible corrosion	Conforms	- Staining / No visible evidence of staining	Conforms
- Removability / Not more than 3 cycles to remove	Conforms	- Minimum Dielectric Breakdown / 25,000 volts	Conforms / 38,000 volts
- Abrasives / Not present	Conforms	- Lubricity of Compounds / Less than 0.20	Conforms
- Maximum Film Thickness / Type II: 0.0005 inches	Conforms	- Effect on Electric Components / No change	Conforms
- Sprayability / Sprayable	Conforms	- Effect on Electric Connectors / No increase in resistance	Conforms



KILLS CORROSION ON CONTACT

REDUCED MAINTENANCE COSTS IMPROVED RELIABILITY

Electronics	Starters
Switches	Battery Terminals
Relays	Engine
Junction Box	Circuit Breakers
Fuse Panels	Security Systems
Connectors/pins	Generators
Terminal Strips	Alternators
Electric Motors	Control Panels
Solenoids	Valves



- ◇ 30+ Years proven track record at preventing & deactivating corrosion
- ◇ Significantly reduces corrosion events in both structure & electrical systems
- ◇ Easy and inexpensive to apply
(aerosol cans/'fogging' technique provides 3000 sq. ft/gal)
- ◇ Protects against all common electrolytes
- ◇ Will not interfere with NDT procedures



Prevents and Deactivates Existing Corrosion

ACF-50 Corrosion Abatement Procedure 2024-T3 Aluminum Fogged in a Sulfurous Acid/Salt for 192 hours



Panels pretreated with ACF-50 showed an average weight loss of only **1.9 mg**.

Conclusion:
ACF-50 prevents the formation of new corrosion cells.



Untreated panels showed and average weight loss of **150.1 mg**.

Conclusion:
Untreated panels corrode rapidly.



Untreated panels exposed for 96 hours, then treated with ACF-50 and exposed for an additional 96 hours showed a loss of only **69.8 mg**.

Conclusion:
ACF-50 stops the corrosion process on contact.

ACF-50 Health & Safety



Scan QR code for Safety Data Sheet
Operators should use standard safety precautions when using ACF-50.
Refer to Safety Data Sheet for complete health and safety information.

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