

TYPICAL PROPERTIES

Unless designated otherwise, the following data refers to FLUID FILM® NAS or FLUID FILM® AS after the propellant has evaporated away following spray application.

Appearance	Clear, straw colored liquid.
Viscosity	Brookfield HBF, 70 ° F #2 Spindle at 2 RPM 10.5 - 13.5 reading (16,800 - 21,600 cps)
Flash Point, Bulk Liquid: <i>ASTM-92 Cleveland Open Cup</i>	405°F minimum.
Non-Volatile	89% minimum (3 hours @ 220°F).
VOC. <i>CARB 310</i>	AS: Less than 25%, NAS: Less than 1%
Specific Conductivity	Less than 10 ⁻⁹ ohm/cm @ 1 mHz.
Specific Gravity	0.875 - 0.885 (less propellant).
Effect on Rubber <i>ASTM D-471 @ ± 158°F 70 hours</i>	None on neoprene and buna-n. May cause swelling on non oil-resistant rubber goods.
Effect on Paint	None on most painted surfaces.
Effect on Aluminum	No pitting.
Extreme Pressure <i>ASTM D-2782 Timken Method</i>	Fail load - 15 pounds.
Wear Prevention – Characteristics <i>D-2266 Four Ball Method</i>	40 Kg., 1200 RPM for 1 hour @ 167°F. Results: Scar <i>ASTM</i> diameter of 0.49mm.
Repaintability Contain no silicones. It is recommended that surfaces treated with FLUID FILM® AS or NAS be hot water or steam detergent washed (120°F), whichever is most effective.	
Corrosion Protection <i>ASTM D-1735 Humidity Cabinet</i>	Passes 50 days.
ASTM D-1748 <i>Humidity Cabinet</i>	Passes 30 days.
MIL-C-16173 Grade 2 <i>Corrosion Requirement</i>	Soft Films. Meets & exceeds salt spray requirements.
Water Replacement	Displaces water from all metal surfaces (MIL-C-23411, Paragraph 3.6).
Toxicity Non-toxic, LD-50 greater than 3 grams per kilogram. Non-irritating skin response. Very slight irritation to the eyes. (Toxicity tests performed according to standard methods by an independent laboratory).	

Warning AS: Extremely flammable. Contents under pressure. Do not puncture, incinerate or store above 120°F. Keep from open flame. **NAS:** Combustible. Do not incinerate

Spray Nozzle Cleaning

Turn can upside down, point in a safe direction and spray until only propellant escapes. If spray button becomes clogged during use, pull it from the can and clean it with a fine wire or needle. Replace the button with a gentle twisting motion, keeping it pointed in a safe direction. Do not stick pins or other objects into nozzle tube.

All components of **FLUID FILM® Aerosol and non-aerosol** are listed on the TSCA Inventory.