



Aero-Brite™ Ultra SP-8609-0100
Premium, Super-Concentrated Fluorescent
Leak Detection Dye for Aircraft Fuel Systems
(NSN: 6820-01-386-8609)

IMPORTANT

Aero-Brite™ Ultra SP-8609-0100 fluorescent leak detection dye is used in conjunction with high-intensity ultraviolet lamps to pinpoint leaks in aircraft fuel systems. When locating fuel leaks, the dye should be used in accordance with directions stated in TO 42B1-1-10 technical manual (copy is available online at www.spectroline.com). Meets Mil Spec: MIL-D-81298D, Type III, Green Fluorescent for aircraft fuel systems. The dye can also be used to locate hydraulic and engine oil leaks, as described below.

READ CAUTIONS AND DIRECTIONS BEFORE USING.
FOR USE BY QUALIFIED SERVICE PERSONNEL ONLY.

DIRECTIONS

1. Add the dye to the suspect system. Use the recommended dilution ratio of dye to the host fluid.

Host Fluid	Suggested Dilution Ratio
Jet Fuel—Static	2 oz (59 ml) dye per 100 gal (379 L)
Jet Fuel—In Flight	1.6 oz (47 ml) dye per 100 gal (379 L)
Hydraulic Fluid	0.25 oz (7.4 ml) dye per 4 gal (15 L)
Engine Oil	0.25 oz (7.4 ml) dye per 1 gal (3.8 L)

2. Run the system to circulate the dye. The host fluid may appear slightly discolored after adding the dye. This is normal. The time needed for the leaks to appear will depend on the type of host fluid and the size of the leaks.
3. Inspect the entire system with a high-intensity ultraviolet lamp. For best inspection results, we recommend Spectroline® UV lamps. All leaks will show with a bright fluorescent glow, ranging from yellow to green, depending on the dye concentration and the type of host fluid. **Be sure to use the UV-absorbing glasses supplied with the lamp.** In hard-to-reach areas, use a mirror to reflect the light, or wipe the obstructed area with a clean cloth and check for the fluorescence.

NOTE: For best results, use the lamp in low-light areas.

4. After the leaks are identified and repaired, clean any residual dye from the leak site with Spectronics Corporation's GLO-AWAY™ PLUS dye cleaner or an appropriate shop cleaner.
5. Repeat steps 2 and 3 as often as necessary to ensure that all leaks have been identified and repaired. Add additional dye only when leaks are no longer bright or if the host fluid has been changed.



- CONTAINS LUBRICANT OIL AND ORGANIC DYE
- KEEP OUT OF REACH OF CHILDREN
- MAY BE HARMFUL OR FATAL IF SWALLOWED
- AVOID CONTACT WITH EYES OR SKIN
- WASH THOROUGHLY AFTER HANDLING
- WIPE ALL SPILLS TO AVOID STAINS
- STORE ABOVE 40°F (4.4°C) AWAY FROM SUNLIGHT
- COMBUSTIBLE MIXTURE

Spectronics Corporation assumes no liability for consequential or other damage resulting from the misuse of this product.

SP-8609-0100 dye is available in 1 gal (3.8 L) containers only.

For product information and technical assistance, call us at 1-800-274-8888. Outside the United States, call 1-516-333-4840. Consult the Safety Data Sheet (SDS) on our website at www.spectroline.com.



www.spectroline.com
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