

Finding Fluid Leaks

BRIGHT SOLUTIONS FLUORESCENT LEAK DETECTION SYSTEM

Aerospace

Agricultural Equipment

Amusement Machinery

Automotive Manufacturing

Construction Equipment

Factory Automation

Fluid Power Products

Industrial Trucks

Industrial Tractors

Industrial Stackers

Logging Equipment

Marine

Material Handling

Mining Equipment

Off-Highway Vehicles

Plastics Machinery

Power Transmission Products

Production Machinery

Rubber Working Machinery

Hydraulic Oils • Lubricating Oils • Coolants

- **Reduce Down Time**
- **Eliminate Waste**
- **Protect The Environment**
- **Cut Safety Risks**
- **Increase Equipment Efficiency**
- **Improve Housekeeping**
- **Remove the guesswork from leak detection**
- **Ideal for Preventative Maintenance Programs**
- **One drop in 5 seconds wastes 80 gallons per year**
- **Petroleum, synthetic & water-based solutions**
- **Patented technology working to find your leaks**
- **Use for ISO-9000, QS-9000 & QS-14000**
- **Great For Maintenance, Quality Assurance & Service**

Just Got Easy

Eight Easy Steps To Complete Leak Detection Satisfaction

1. DETERMINE HOW MUCH STAY-BRITE DYE® YOU NEED

This is determined by the fluid capacity of the system and the color of the oil. Most lighter colored oils (e.g. amber) are used at about 1/4 oz. (7,3 ml) of dye per 4 gallons (15,2 l) of oil. Gear box and lubricating oil will require a greater concentration of dye. Refer to the instructions that come with our dyes for more details.



2. ADD THE STAY-BRITE DYE TO YOUR SYSTEM

Insert the dye into a part of the system, such as a holding tank or reservoir, in a safe manner. Follow all standard operating procedures including shutting down the equipment. Pre-cleaning of equipment is not required.



3. CIRCULATE YOUR FLUID WITH DYE IN THE SYSTEM*

Large leaks will show up in minutes. Pin-hole sized leaks may take hours before they can be found.

* Full circulation may not be possible without routing some lines back to the holding tank.



4. USE YOUR SUPPLIED UV FLUORESCENCE-ENHANCING SAFETY GOGGLES

Good safety practices and certain safety regulations require that safety goggles be worn around pressurized fluid systems and equipment. In addition, our goggles greatly enhance the UV fluorescence so that certain leaks will only be apparent using them.



5. DIRECT THE LOCATOR+ OR LOCATOR™ LAMP AT A POSSIBLE LEAK SITE

Direct the light at all possible leak sites. Never forget that there may be leaks at multiple locations.



6. FIND AND FIX YOUR LEAK

Wherever the UV light shines on the dye it will fluoresce a bright yellow or yellow/green color indicating a leak site.



7. CLEAN THE DYE OFF THE LEAK SITE WITH BRITE-OUT® DYE CLEANER

Our dye cleaner comes with an adjustable spray nozzle for adjusting the spray of the cleaner. Use a brush or a cloth if required to wipe off excess dye or cleaner.



8. REPEAT STEPS 3 THROUGH 5 TO MAKE SURE THE LEAK WAS FIXED

You're done.



BRIGHT SOLUTIONS CUTS THE CORD

With The **LOCATOR™** +

The LOCATOR+ is the world's first and most powerful, cordless, rechargeable UV lamp. This gives you complete freedom to move around your fluid system and get to those hard-to-reach spots without the worries and drawbacks of a cord. Use your Turbo-Button to boost output by 50% when searching for the toughest leaks.

- * Hours of intermittent use due to advanced circuitry
- * Rechargeable battery avoids electrical shock
- * Lamp provides maximum output of 14.4 volts
- * Swivel head for added ease-of-use
- * Instant-on capability avoids warm-up time
- * Conveniently sits upright on flat surface
- * Low-cost replacement bulb
- * Battery recharges in an hour or less with widely-used 110 volt, 220 volt or vehicle charger
- * Vehicle charger plugs into cigarette lighter plug
- * U.S. Patent # 5,959,306



PART# BSL780
Locator+ Lamp & UV Goggles (Battery Not Included)



Both the LOCATOR+ and the LOCATOR lamps come with special UV fluorescence-enhancing safety goggles. Use them to increase the fluorescent effect of the dyes.



PART# B78001
14.4 Volt Rechargeable Battery



PART# B78002
110 Volt Battery Charger



PART# B78004
Vehicle Battery Charger

LOCATOR™

- Super-compact
- Very bright
- Instant-on
- Extremely durable composite body
- Battery features easy-to-carry, sturdy case & strap plus 110V charger
- A great starter lamp & battery



Covered under
U.S. Patents
5,742,066
& 5,675,000
& 5,959,306



PART# BSL762
12-Volt Battery Pack w/Holder Strap
Part # Includes 110V Battery Charger

PART# BSL761
Locator Lamp w/Coil Cord & Male Lighter Plug

ADDITIONAL PARTS NUMBERS NOT SHOWN

PART #	DESCRIPTION
B78003	220 VOLTS MILWAUKEE POWER-PLUS BATTERY CHARGER
B78005	REPLACEMENT BULB FOR BSL780
B78006	REPLACEMENT LENS FOR BSL780
BSL765	12V BATTERY, PACK, HOLDER, 220V CHARGER FOR BSL761

STAY-BRITE® Super-Concentrated Fluid Leak Detection Dyes

All STAY-BRITE fluid fluorescent leak detection dyes are:

- Scientifically formulated to be compatible with host fluids and to maximize fluid fluorescence
- Very safe to use. Read our instruction sheets and MSDS for proper usage information
- Super-concentrated for maximum leak detection capability
- Packaged in an 8 oz. (237 ml) bottle with measuring chamber for easy dispensing or a convenient 1 gallon (3,8 l) metal container for larger applications

Just two types of dyes are needed to cover your fluid oil needs: STAY-BRITE BSL721 dye for petroleum based & synthetic-based (ester) fluid oils and STAY-BRITE BSL722 dye for water-based & water/glycol-based oils.

DILUTION RATIO INFORMATION

Dilution ratios shown are guidelines based on laboratory and field-testing. In general, the darker the oil, the more dye is needed. Also, different additive packages and the oil's condition will affect the amount of dye required. Experience will guide you to add more or less dye to the host fluid based on your results.

DYE	HOST FLUID	DILUTION
BSL721	Petroleum-based light oil	1/4 oz. (7,3 ml) per 4 gallons (15,2 l)
BSL721	Petroleum-based dark oil	1/4 oz. (7,3 ml) per 2 gallons (7,6 l)
BSL721	Synthetic-based (ester) oil	1/4 oz. (7,3 ml) per 6 gallons (22,8 l)
BSL722	Water-based and/or glycol-based oil	1/4 oz. (7,3 ml) per 10 gallons (38,1 l)

NOTE: If you have a question on the correct dilution ratio for your host fluid contact your distributor or Bright Solutions.

BRITE-OUT™ DYE CLEANER

BRITE-OUT dye cleaner quickly removes traces of fluorescent dye that remain around a leak site. Removing dye after a system is repaired prevents possible false diagnosis of a future leak. Use with an appropriate brush or cloth for better results. Part # B795016 offers 16 oz. of cleaner in a bottle with a convenient adjustable spray nozzle.



PART# B795016
Brite-Out
Dye Cleaner

Stay-Brite BSL721 Super-Concentrated Dye for Petroleum-Based & Synthetic-Based Fluids



PART# B721008
8 oz.



PART# B721001
1 Gallon

Stay-Brite BSL722 Super-Concentrated Dye for Water-Based & Water/Glycol-Based Fluids



PART# B722008
8 oz.



PART# B722001
1 Gallon

 **Bright Solutions International LLC**

1738 Maplelawn Drive, Troy, MI 48084, USA
248-614-9063 • www.brightsol.com