

WLF-71

Met-L-Chek® WLF-71 is a liquid dye additive which dissolves in water making the water fluoresce under UV-A (ultraviolet) light. This dye additive is commonly used to help locate leaks in large storage tanks but can also be used to locate leaks in small water reservoirs such as radiators. In practice, it is dissolved in the water in the tank, and then suspected areas of leakage, such as riveted or welded seams, are examined on the exterior of the tank, using a UV-A light. Any place where the water has leaked through the tank will show up as a fluorescent wet spot.



Typical Properties

- Form: Fluorescent yellow/orange green liquid, no sediment
- Density: 1230 g/L

Available Sizes

- 6 X 1 Pint (0.4 L)
- 1 Gallon (3.7 L)
- 5 Gallon (18.9 L)
- 55 Gallon (208 L)
- 275 Gallon (1,041 L)

NSN Information

- No NSN Information

Notes Prior to Handling

Before using Met-L-Chek® products, all safety and operating instructions should be read and understood. If you have any questions, please contact your Met-L-Chek® representative before proceeding. For complete health and safety information, refer to the product's Safety Data Sheet. Met-L-Chek® Safety Data Sheets can be requested online at www.Met-L-Chek.com

Use Instructions

The concentrate is a dark amber color and has no fluorescence until mixed with water. The water fluorescent brightness is a function of the concentration of the WLF-71. Generally, it is used between 1 gallon to 10,000 gallons of water (0.1 cc/L), and 1 gallon to 70 gallons of water (14 cc/L). It is up to the user to determine what concentration will best do the job. If the tank is located indoors, where the area can be darkened, then a low concentration might be used. If the tank is located outdoors and the inspection must be made in the daylight, then a higher concentration is required. Sample concentrations should be made up and examined under UV-A light in the actual tank location to determine what concentration is adequate. We suggest the use of an ultraviolet light of at least 100 watts with an output intensity of 1000 micro watts/cm² at 15 inches. The fluorescent brightness of the indications is a direct function of the light intensity, and a weak light will not show up small or weak indications.

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Met-L-Chek® manufactures a complete line of Nondestructive Testing materials including penetrants used in fluorescent (Type 1) and visible (Type 2) dye penetrant inspection, wet and dry magnetic particle inspection, and a variety of specialty testing materials.

CAUTION: Before using any of these products, you must become completely familiar with the safety and hazard information contained in our safety data sheets regarding these products. McGean-Rohco, Inc. (the seller) presents the information contained herein without warranty and disclaims any liability from its use or misuse. Seller recommends use of the information Seller's products solely in commercial processes which are specified by Seller and which do not violate any third party patent rights or any laws or regulations. The seller makes no warranties, express or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose except as expressly stated in the seller's sales contract or sales acknowledgement form.



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