

CIRCLE SYSTEMS, INC.

479 West Lincoln
P.O. Box 1228
Hinckley, IL 60520
Ph.: 815-286-3271
Fax: 815-286-3352
customerservice@circlesafe.com



TECHNICAL BULLETIN #272LS RTU

MI-GLOW 800LS RTU

MI-GLOW 800LS RTU is a Ready-to-Use pre-proportioned combination of MI-GLOW 800 fluorescent particles and odorless inspection oil vehicle packaged in a hand-held spray bottle. MI-GLOW 800LS RTU is designed for revealing very fine defects, such as those found in finished products for the aerospace industry and other critical applications.

Properties:

Particle Color: Fluorescent yellow-green

Particle Size: Not less than 98% passage through US Standard No. 325 (45 μm) sieve as defined in AMS 3044. The typical range of particle sizes is from 1 to 12 μm , with an average particle size of 5 μm .

Sensitivity: MI-GLOW 800LS RTU shows a minimum of 8 lines on an AISI 01 Ketos tool steel ring (as defined in SAE AS5282) set on a 1-inch diameter copper bar, magnetized with 2500 A of direct current.

Concentration: 1.25 grams of MI-GLOW 800 per liter of fluid

Flash Point: 102° C by Pensky-Martens Closed Cup (ASTM D-93)

Certification: Particles, carrier and mixture conform to or exceed all relevant specifications including but not limited to MIL-STD-1949, MIL-STD-271(SH), ASTM E 709, ASTM B & PV Code-Section V, and NAVSEA 250-1500-1. AMS 3044, AMS 3045, AMS 3161, AMS 2641 and DOD-F-87935 are covered under MIL-STD-1949.

Temperature Limit: 120°F Maximum

Preparation:

Thoroughly shake the bottle, insert the spray nozzle, and apply to the parts for inspection.

Concentration Test:

If it becomes necessary to verify the concentration in the bottle, thoroughly shake the bottle and the method of test should be as follows:

1. Fill a 100 ml graduated centrifuge tube as specified in ASTM D96, or equivalent, to the 100 ml mark with thoroughly mixed solution from the testing apparatus. Demagnetize the suspension if necessary and let it stand undisturbed for 30 minutes.
2. Read the volume of the precipitate in the tube. The volume should be 0.15 to 0.3 ml.

Shelf Life:

1 year, when sealed bottles are not subjected to extreme heat or cold.

DISCLAIMER: OUR TECHNICAL ADVICE, INFORMATION AND STATEMENTS, GIVEN VERBALLY, IN WRITING OR IN THE FORM OF TEST RESULTS, ARE OFFERED FOR YOUR GUIDANCE, WITHOUT WARRANTY. **NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.** IT IS THE USER'S RESPONSIBILITY TO TEST THE SUITABILITY OF EACH PRODUCT FOR HIS INTENDED PROCESS AND APPLICATIONS. OUR GUARANTEE IS LIMITED TO THE CONSISTENT QUALITY OF OUR PRODUCTS.

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