

MPI-1400B

Met-L-Chek® 1400B is a premixed, ready-to-use, fluorescent magnetic particle bath designed for high sensitivity fluorescent wet method inspection. 1400B meets the requirements of AMS 3045 and ASTM E-1444.



NDT Classification

- Type: Fluorescent
- Method: Wet (Oil)

Available Sizes

- Aerosol – 12 X 16 oz (400 mL)
- 5 Gallon (18.9 L)

NSN Information

- 6850-01-196-5472 – 5 gal

Specifications

- AMS 2641
- AMS 3045
- AMS 3046
- API RP 5A5
- ASME B&PVC Sec V
- ASTM E-1444
- ASTM E-709
- BAC 20-20-01
- BAC 5424
- BSS 7040
- MIL-STD-1949
- MIL-STD-2132
- NAVSEA 250-1500-1
- NTR-1 E
- PS 21201
- T9074-AS-GIB-010/271

Typical Physical Properties

Form	Dark green liquid when particles are suspended
Density	832 g/L
Viscosity	2.4 mm ² /s
Flash Point	> 93°C
Particle Size	1-12 µ
Fluorescence	Yellow green
SAE Relative Sensitivity	7-8

Use Instructions

Visit www.Met-L-Chek.com to view detailed processing method guides.

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

Contact Us

United States

McGean

Phone: +1-216-441-4900

Fax: +1-216-441-1377

Email: Info@Met-L-Chek.com

United Kingdom

McGean UK

Phone: +44-1902-456563

Fax: +44-1902-457443

Email: Info@Met-L-Chek.com

Singapore

McGean Singapore

Phone: +65-6863-2296

Fax: +65-6863-2297

Email: Info@Met-L-Chek.com

China

Cee-Bee Aviation Materials (Xiamen) Co. Ltd.

Phone: +86-592-551-3689

Email: Info@Met-L-Chek.com

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.

**Revision: 05/2025 (Rev. A3)**