

# R-503

Met-L-Chek® R-503 is a class 2 (non-halogenated), Method C inspection penetrant remover. Ideal for penetrant wipe removal and pre-inspection surface cleaning, R-503 is a moderate dry rate material used in general metalworking, welding, nuclear, aerospace applications.

As a penetrant remover it is sprayed onto wiping media and then the penetrant wiped from the surface. The remover should not be sprayed directly on to the test surface to remove the excess penetrant as the sensitivity will be impaired. Met-L-Chek® R-503 is ideal for penetrant test panel storage and cleaning starburst cracks on TAM panels.



## NDT Classification

- Type: 1 – Fluorescent
- Type: 2 – Visible
- Methods: C
- Class: 2 (Non-Halogenated)

## Available Sizes

- Aerosol - 12 X 16 oz (400 mL)
- 1 Gallon (3.7 L)
- 5 Gallon (18.9 L)
- 55 Gallon (208 L)

## NSN Information

- No NSN Numbers

## Specifications

- AMS 2644
- AMS 2647
- ASME B&PVC Section V
- ASTM E-1209
- ASTM E-1417
- ASTM E-1418
- ASTM E-165
- BAC 20-20-02
- BAC 5423
- BSS 7039
- EMS 52309
- GE 70-32-02
- GE LM6000 PC
- HGS1010
- ISO 3452-2
- MIL-STD-2132
- MIL-STD-271
- NAVSEA 250-1500-1
- OMat 616
- PMC 9094
- PSD 6-46, PSD 8-4
- RCC-M code 93, Section V-F, sub-section F6420
- RPS-702-7
- RRP 58003
- PR-5000
- T9074-AS-GIB-010
- PS-008, Rev. 10

## Typical Physical Properties

<b>Form</b>	Clear liquid, no fluorescence
<b>Density</b>	786 g/L
<b>Fluorescence</b>	None

## Use Instructions

Visit [www.Met-L-Chek.com](http://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](http://www.Met-L-Chek.com)



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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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