

Met-L-Chek manufactures a complete line of cleaner/removers used in the fluorescent (**Type 1**) and visible (**Type 2**) dye penetrant inspection process. All Met-L-Chek cleaner/removers are qualified to **AMS-2644** and are sold under the *Met-L-Chek*® and **Pen-Chek**[®] trademarks.

E-59A is a class 2 (non-halogenated), Method C inspection penetrant remover. It is designed for use in the solvent wipe technique for penetrant inspection in general metalworking, welding, nuclear and automotive applications. It is a moderate dry rate material and is ideal for penetrant wipe removal and pre-inspection surface cleaning. As a pre-cleaner it is sprayed directly on the test surface. 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.

E-59A is listed on the Qualified Products List for AMS-2644. It meets the requirements of AMS-2647, ASME **Boiler and Pressure Vessel Code Section V**, ASTM E-165, ASTM E-1417, and ISO- 3452 for penetrant inspection materials. It is low in Sulfur, Chlorine, Fluorine and other Halogens, making it safe for use on Titanium and high Nickel alloys found in aerospace, medical and nuclear components.

E-59A contains flammable solvents and should not be used in confined spaces or near open flames or sparks.





Typical Physical Properties

Form: clear liquid Density: 743 g/L (6.2 lb/gl) Flash Point: >12.7°C (>55°F) Fluorescence: none Corrosion of aluminum: none Corrosion of carbon steel: none Corrosion of magnesium: none Corrosion of stainless steel: none Corrosion of titanium: none Residue: < 0.005 g/100 ml Chloride content: < 50 ppm (< 0.005%)Fluoride content: < 50 ppm (< 0.005%)Sulfur content: < 50 ppm (< 0.005%) Mercury: none VOC's: 743 g/L Ozone layer depleting substances: none PCB's: none

Product Data Sheet E-59A Cleaner/Remover



Specifications

AMS 2644 AMS 2647 ASTM E-165 ASTM E-1417 ISO 3452-2005 RCC-M Rev. 2000 NAVSEA T9074-AS-GIB-010/271 ASME B & PV code 07 sec V

NSN #'s

1 gallon can - 6850-00-357-7926

Product Availability

12 x 16oz (400ml) vol. aerosol(net wt 300g or 10.5oz)

1 gallon (3.7L) metal can 5 gallon (18.9L) metal pail 55 gallon (208L) metal drum



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