



**PRODUCT DATA
DEVELOPER
D-70**

Met-L-Chek® **D-70** is a nonaqueous inspection developer used with both fluorescent and visible penetrants to enhance detection of surface cracks and porosity. This form of developer offers the highest detectability and is used for critical inspections where the finest discontinuities must be found. **D-70** is applied by spraying, either from an aerosol can or by conventional spray gun. It dries quickly and produces a smooth, uniformly white coating. The dried developer film is easily removed from the part surface with water after inspection. **D-70** is used in field applications as well as production line inspection booths, where the inspector, sometimes is unsure about an indication and wishes to “prove” it with the aid of a solvent developer. The developer particles will settle out upon standing, requiring agitation prior to application. The solvent carrier is flammable and use around open flames should be avoided. **D-70** is listed on the Qualified Products List for **AMS2644** as a form "d" & "e" developer. It is low in Sulfur, Sodium, Chlorine, Fluorine and other Halogens, making it safe for use on Titanium and high Nickel alloys found in nuclear components. D-70 is approved for use by major aerospace OEM's, such as Boeing, Edf, GE, ISO 3452-2:2006 and Pratt & Whitney.

Shelf Life - 5 years from batch approval date

TYPICAL PHYSICAL PROPERTIES

SPECIFICATIONS

AMS -2644E

Form Milky liquid

AMS-2647C

Flash Point 11.6 °C

ASME B & PV code, 2007, sec. V

Density 851 g/L

ASTM E-165

Dry Coating Smooth, white

ASTM E-1417

Fluorescence None

PMC 4357-7

Removability Complete

RR CSS 232

CORROSION:

RR RPS-702-7

Carbon Steel None

RCC-M rev 2000

Nickel Steel None

ISO 3452-2:2006

Aluminum None

SNECMA DMC0010 / Ind. J

Magnesium None

Titanium None

PACK SIZES 400 ml aerosols

ANALYSIS:

10 Litre

Sulfur: < 200 ppm

25 Litre

Chloride: < 150 ppm

60 Litre

Fluoride: < 50 ppm

200 Litre

Sodium: < 350 ppm

Mercury: None

OLDS: None

PCB's: None

See MSDS for detailed health, safety, and disposal data.

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