

SPOTCHECK®

SPOTCHECK SKL-SP1

SOLVENT REMOVABLE RED PENETRANT

General Description

Spotcheck SKL-SP1 is a solvent removable (or post emulsifiable) red colour contrast penetrant. SKL-SP1 exhibits outstanding penetrating characteristics which provide for maximum reliability in locating surface-open flaws and discontinuities.

SKL-SP1 can be used over the entire spectrum of industrial applications, where a visible penetrant inspection system meets the requirements for surface-open flaw detection.

Applications

Typical applications include castings, forgings, leak testing, welds and general metal work.

SKL-SP1 has also been successfully used on non-porous ceramics and similar materials. However it is not recommended for the inspection of plastic materials, as it may stain, soften or even dissolve the base material under test.

Composition

SKL-SP1 is composed of a blend of petroleum distillates, plasticiser and an oil soluble organic red dye.

Typical Properties (not a specification)

Property	SKL-SP1
Colour	Dark red
Odour	Bland
Flash point	> 93 °C (bulk product)
Density	0.845 g/cm ³
Viscosity	3.4 mm ² /s
Corrosion	Meets AMS 2644
Sulfur content	< 1000 ppm
Chloride content	< 1000 ppm
AMS 2644 class	Type 2 Method B, C, D



Like all Magnaflux materials Spotcheck SKL-SP1 is closely controlled to provide unique batch to batch consistency and uniformity to assure optimum process control and inspection reliability.

Benefits

- ✓ Outstanding penetrating characteristics
- ✓ Broad range of applications



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SPOTCHECK SKD-S2

NON AQUEOUS DEVELOPER

General Description

Spotcheck SKD-S2 is a ready to use suspension of white developing particles in a fast drying solvent.

SKD-S2 produces an opaque white coating, which provides an excellent contrasting background for Spotcheck or Zyglo penetrant indications. SKD-S2 is specially formulated to be low in sulfur and halogens and contains no chlorinated hydrocarbons.

SKD-S2 non aqueous developer provides maximum sensitivity through its solvent action on the penetrant at the defect site. SKD-S2 is compatible with and approved for use with all Magnaflux Spotcheck and Zyglo penetrants.

Composition

SKD-S2 is composed of a blend of inert inorganic particles suspended in a solvent blend based on isopropanol and acetone.



Typical Properties (not a specification)

Property	SKD-S2
Colour	White suspension
Odour	Alcoholic
Flash point	-16 °C (bulk product)
Density	0.87 g/cm ³
Corrosion	Meets AMS 2644
Sulfur content	< 1000 ppm
Chloride content	< 1000 ppm
AMS 2644 class	Form d type 1, Form e type 2

Like all Magnaflux materials Spotcheck SKD-S2 is closely controlled to provide unique batch to batch consistency and uniformity to assure optimum process control and inspection reliability.

Benefits

- ✓ Provides excellent contrast with red penetrants
- ✓ Quick drying
- ✓ Ease to use



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SPOTCHECK SKC- I

CLEANER / REMOVER

General Description

Spotcheck SKC-I Cleaner/Remover is a clear, flammable solvent, lighter than water.

SKC - I is used as a pre-cleaner, a post cleaner and a penetrant remover.

Composition

SKC-I is composed of a solvent blend based on isopropanol



Typical Properties (not a specification)

Property	SKC-I
Colour	Clear liquid
Odour	Alcoholic
Flash point	12.2 °C (bulk product)
Density	0.76 g/cm ³
Corrosion	Meets AMS 2644
Non volatile residue	< 50 ppm (0.005%)

Like all Magnaflux materials Spotcheck SKC-I is closely controlled to provide unique batch to batch consistency and uniformity to assure optimum process control and inspection reliability.

Benefits

- ✓ Optimal rate of drying
- ✓ Ease to use
- ✓ Cost effective



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