

# SKL-SP2

## Solvent Removable Visible Dye Penetrant

SKL-SP2 is a solvent removable penetrant for portability, especially for welding operations, and is post emulsifiable for greater resolution of flaw indications. It produces a visible red color contrast, and features outstanding penetrating characteristics. SKL-SP2 is highly reliable at locating surface open flaws and discontinuities and can be used on non-porous ceramics and similar materials. Typically used on welds, forgings, pressure vessels, castings, general metal work, leak testing, and in power plants and construction applications.

SKL-SP2 is listed on the QPL SAE AMS 2644 Qualified Product List.



### BENEFITS

#### Fastest inspection processing

- Reliable, simple 3-step process is a convenient and easy-to-use solution for preventative maintenance and control checks
- Quickly and completely covers the entire test surface due to high surface wetting
- Remove excess penetrant without water to eliminate the need to dry parts before applying developer

#### Dependable and convenient to use

- Easy to carry and use in the field with the convenient aerosol cans which are carefully designed for consistent, even coverage and maximum test area coverage
- Use in all conditions without the need for darkness or UV lights

#### Wide application versatility

- Inspect a wide range of components without fear of corrosion or specification non-conformance
- Meets AMS 2644 and is NDT-approved for professional industrial applications

#### Maximum indication detection

- Produces strong, vibrant indications thanks to the bright, vibrant red color, especially when used with SKD-S2 solvent-based developer

#### Maximize operator comfort and safety

- Promotes better inspection quality by providing the operator with a more comfortable work environment
- Reduces discomfort from strong odors
- Exceeds all EHS requirements, does not contain NPEs or phthalates

### SPECIFICATION COMPLIANCE

- AECL
- AMS 2644
- ASME
- ASTM E1417
- ASTM E165
- ISO 3452
- MIL-STD-2132
- MIL-STD-271
- NAVSEA T9074-AS-GIB-010/271
- NAVSEA 250-1500-1
- QPL SAE AMS 2644

## FEATURES

- Solvent removeable
- ISO 3452 sensitivity level #2
- Can be used for Method B, Method C and Method D
- Simple, easy-to-use process
- Vivid, high-contrast red color
- Superior flaw resolution
- Good surface wetting
- Optimized capillary action
- Works in visible light
- Very low toxicity
- Low odor
- NDT-spec compliant

## PROPERTIES

<b>Flash Point</b>	> 200°F / 93°C
<b>Density</b>	0.85 g/cc / 7.04 lb/gal
<b>Viscosity (at 100°F / 38°C)</b>	3.80 cs
<b>NPE-Free</b>	Yes

## USE RECOMMENDATIONS

<b>NDT Method</b>	Penetrant Testing, Visible Dye
<b>Type</b>	Type 2
<b>Method(s)</b>	B / C / D
<b>Sensitivity Level</b>	ISO 3452 sensitivity level #2
<b>Required Equipment</b>	No special equipment needed
<b>Usage Temperature</b>	40 to 125°F / 5 to 52°C
<b>Storage Temperature</b>	50 to 86°F / 10 to 30°C
<b>Coverage</b>	1 aerosol can will cover approximately 65 ft <sup>2</sup> / 6 m <sup>2</sup> 1 gal will cover approximately 1,200 ft <sup>2</sup> / 111 m <sup>2</sup>

## APPLICATIONS

**Defect location:** open to surface

**Ideal for:**

- Wide range of applications
- Castings
- Forgings
- Welds
- Pressure vessels
- Metalworking
- Automotive maintenance
- Tubular goods
- Leak testing
- Ferrous and non-ferrous metals
- Non-porous ceramics

**Defect examples:**

- Cracks
- Leaks
- Incomplete weld penetration
- Incomplete weld fusion
- Undercutting
- Slag inclusions
- Flux inclusions
- Weld porosity

## PACKAGING

Aerosol can, case of 12	01-5155-78
1 gal / 3.78 L jug, case of 4	01-5155-35
5 gal / 18.9 L pail	01-5155-40
55 gal / 208 L drum	01-5155-45

## HEALTH AND SAFETY

Review all relevant health and safety information before using this product. For complete health and safety information, refer to the product Safety Data Sheet, which is available at [www.magnaflux.com](http://www.magnaflux.com).