

SKL-SP2

DISTRIBUÉ PAR / DISTRIBUTED BY:

**QUEBEC**164, St-Jean-Baptiste
Mercier, QC J6R 2C2
450-691-9090
info@qn.de.cawww.qn.de.ca**ONTARIO**275, Sheldon Drive, Unit 3
Cambridge, ON N1T 1A3
519-894-9089
nadams@qn.de.ca**ALBERTA**7307, 50 street NW
Edmonton, AB T6B 2J9
587-689-6811
lfields@qn.de.ca**1-800-361-3630**

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

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

USE RECOMMENDATIONS

NDT Method	Penetrant Testing, Visible Dye
Type	Type 2
Method(s)	B / C / D
Sensitivity Level	ISO 3452 sensitivity level #2
Required Equipment	No special equipment needed
Temperature Range	40 to 125°F / 4 to 52°C
Coverage	1 aerosol can will cover approximately 65 ft ² / 6 m ² 1 gal will cover approximately 1,200 ft ² / 111 m ²

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

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