

## SPOTCHECK®

### SKD-S2 NON-AQUEOUS DEVELOPER

#### General Description:

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.

#### Composition:

SKD-S2 consists of a blend of inert inorganic particles and surface active agents, which are suspended in a solvent blend including isopropyl alcohol and acetone.

#### Typical Properties (Not a Specification):

Flash point:	2° F (PMCC)
Density:	7.3 lbs./gal (875g/L)
Corrosion:	Non-corrosive
Coating:	White, opaque film
Sulfur Content:	Less than 1000 ppm
Chlorine Content	Less than 1000 ppm

#### Method of Application:

On standing, developer particles will settle out of suspension and must be re-suspended before applying. SKD-S2 should be applied by spraying only, as dipping or brushing will cause excessive solvent action on the penetrant in discontinuities. SKD-S2 may be applied by aerosol, or conventional spray gun. Developers should be applied only after the test surface has been cleaned of excess penetrant, and the cleaning medium (solvent such as SKC-S or SKC-HF or water) has been dried off. Non-aqueous developers should be sprayed in thin even layers, which just wet the surface. Too wet a spray will cause excessive bleeding and running of indications; whereas too dry a spray will result in slow indication development as well as possible loss in overall sensitivity due to limited solvent action. The coating should be a relatively thin even white coating. SKD-S2's unique formula permits a thin coating to hide surface blemishes, which could interfere with indication interpretation. A thick coating is not required for this effect and is undesirable as masking of indications could result. SKD-S2 will appear as red lines and porosity as spots. A general reddish color or pink developer film indicates incomplete removal of surface penetrant.

#### Specification Compliance:

AMS 2644, MIL-STD-271, MIL-STD-2132, AECL, ASME B & PV Code, Section V, Boeing PS-21202, AMS 2647, ASTM E1417, ASTM E165, NAVSEA 250-1500-1, Boeing BAC 5423, GE P50YP107

# PRODUCT DATA SHEET

## SPOTCHECK®

**Packaging:** Case of 4-one gallon containers, 5 gallon pails, 55 gallon drums, aerosols

**Coverage:**

1 gallon approximately 800 square feet

1 aerosol can (16 ounce by volume) approximately 65 square feet