



Sulphated Castor Oil 50 WS for Intaglio Secure Printing

Sulphated Castor Oil 50 WS (SCO 50 WS) from J & W Whewell Limited is the premier product for intaglio secure printing due to the following key properties,

- Purity (clear amber liquid)
- Low free sulphate levels
- Excellent wetting
- Superior detergency
- Solubilising strength
- Emulsification performance
- Non corrosive cleaner

Applications

SCO 50 WS has many industrial applications including the following,

- Intaglio presses
- Security printing
- Bank note printing presses

SCO 50 WS is employed in the washing & wiping of intaglio plates in order to remove excess ink out of the plate before the next print. SCO 50 WS dissolves wet ink due to its excellent solubilising and emulsification properties, covers the whole plate very quickly due to its superior wetting but does not attack the plate since SCO 50 WS displays superior detergency but is mild.

To summarise SCO 50 WS is a soft cleaning agent for the intaglio printing plates.



W H E W E L L
chemical manufacturers



Key chemical properties

Appearance spec – clear amber liquid

Free Sulphate – 2 to 4% Na₂SO₄ (typically 2%)

Total fatty Matter – 45 to 50%

Specific use – Intaglio presses for the security printing industry

Description	Result	Test Method
Water Content	45.0 - 47.0%	JW/STM 2
Acid Value	3.0 - 9.0 mgKOH/g	JW/STM 12
Total Alkali:	4.0 - 4.7% NaOH	JW/STM 4
Combined Sulphate:	2.5 - 3.5%	JW/STM 22
pH 10% Dilution:	8.0 - 9.5	JW/STM 27

REACH identifies J&W Whewell as a registered supplier of sulphated castor oil.

Further information is available on the J&W Whewell website as follows,

http://www.jwwhewell.co.uk/sulph_castor.html