

ISCA

Anti-Smut[®] 100 JAR 3N



Chemical Business Association

Anti-Smut[®] 100 (JAR 3N)

Anti-Smut[®] 100 is an anti-smutting additive for use in nitric acid etching solutions.

Technical Specification

• Appearance	Clear amber liquid
• Colour, 20% in water	< 250 Hazen
• pH, 20% in water	6.0 – 7.0
• Viscosity, 20°C	< 150mPas
• Density, 20°C	1037 – 1057 g/cm ³
• Pour Point	~ 0°C
• Clear Point	~ 0°C
• Solubility	Fully soluble in water

Properties

- Inhibits smutting on the surface of the part during nitric acid etch inspections.
- Excellent stability with nitric acid.
- Easily incorporated into solutions.
- Does not evolve hydrogen during etching.
- Excellent wetting properties.
- Non-evaporating.

Applications

Anti-Smut[®] 100 is recommended for use in all types of nitric acid etch solutions (for example, etch inspection of high strength, low alloy steel parts).

A typical composition for a temper etch solution would be as follows:

- 0.5 – 5% v/v Nitric Acid
- 3 – 5% Antismut 100
- remainder - water

Anti-Smut[®] 100 should be incorporated into the etch solution at ambient temperature. Slight manual agitation of the bath may be required to ensure complete homogeneity.

ISCA

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The information contained herein is, to the best of our knowledge, true and accurate. Any recommendations or suggestions are made without warranty or guarantee as the conditions of use are beyond our control. We strongly recommend that all products containing Anti-Smut® 100 are rigorously tested to ensure suitability for end-use.