



## AVA Chemicals (P) Ltd.

(An ISO 9001:2000 Certified Company)

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### AVASEQ 'A' – For Removal of Iron and other Heavy Metals in Alkaline pH

Test	Specifications
Appearance	<b>Light Tan Crystals</b>
pH	<b>9 (+ / - 1)</b>
Chelation value	<b>500 min. Calcium / 2800 min. Iron mg/g</b>
Water Solubility	<b>Complete</b>

AVASEQ 'A' has many industrial uses as high performing chelating agent. This high level of performance is due to its efficiency in forming stable chelates with di- and tri-valent metal ions such as Ca<sup>+2</sup>, Mg<sup>+2</sup>, Fe<sup>+2</sup>, Fe<sup>+3</sup>, Zn<sup>+2</sup>, Al<sup>+3</sup>, etc. in the pH range between 7 and 14.

AVASEQ 'A' has superior hydrolytic stability compared to other chelating agents in highly alkaline, high temperature baths and, therefore, are much better sequestrants under these conditions. AVASEQ 'A' is also superior to the polyphosphates which hydrolyze and become ineffective under the conditions cited above. Moreover, AVASEQ 'A' is non-corrosive and non-toxic materials.

AVASEQ 'A' can be used as concrete additives, in bottle washing, aluminum etching and cleaning, textile specialties, metal finishing, heavy-duty alkaline cleaners, agricultural micronutrients, and other applications.

#### Uses of AVASEQ 'A':

AVASEQ 'A' has a complexing power of 2800 mg/gm of Iron in 3% NaOH solution. Some of its varied uses are given below:

- Removal of iron stains.
- Prevention of metallic based stains during scouring & wrenching.
- Prevention of rust spots on metal surfaces when using water based paints.
- Prevention of rust formation inside cans of water based paints.
- Suppressant against froth formation–corrosion inhibitor.