

# Chelating Agent

Product Bulletin



## SL200

### INCI Name

ETIDRONIC ACID

### Description

SL200 is an organic poly-phosphate with strong complexation with ferri, copper, zinc and other metal ion, usually used as complexant and water stabilizer. It's stable to high pH, radiation and heat, better than other organic phosphate. Due to its excellent complexation with aqueous metal ion especially calcium ion, favorable scale inhibition can be achieved. Because of low toxicity it's recommended to apply in personal care products, such as anti-dandruff shampoo including ZPT/SPT to prevent color changing as a result of metal ion existence, or hair dye in case of oxidation.

### Specification

Parameter	Value
Appearance	Colorless or light yellow transparent liquid
Solid content %	15.0±1.0
pH Value (25°C, 1%soln.)	8.0-10.0
Density (20°C, g/cm <sup>3</sup> )	1.1-1.2

\* These values indicate typical specification, they are not intended to be used as product specifications.

### Properties

- Stable under High pH, barely hydrolyze.
- Low toxicity and little odor.
- Strong complexation, can form stable complex with ferri, copper, zinc and other metal ion.
- Little decomposition under moderate radiation.

### Applications

- Antidandruff shampoo
- Hair dye

### Formula Guidelines

0.2-1.0%

Added to formulation before antidandruff actives and dye.

### Storage & Handling

**Standard Packing:** 25kg/drum

**Storage:** Keep in cool, Dry, Ventilation and Lightless Place.

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文件号: TC-MM-技术服务-\*\*\*

版次: A/1

最新版本日期: 2011-05-18