



Biosil Basics[®] L-Cysteine CE

Ingredient Information

INCI Name: Dimethiconol Cysteine
CAS# 659720-05-5
EINECS# Polymer Exempt
Japan Code# 520396 & 003614
Japan Nomenclature: Highly Polymerized Methyl
Polysiloxane (1) & L-Cysteine

Specifications

Appearance	White, milky liquid
Odor	Characteristic of sulfur
pH (as is)	4.50 – 7.00
Solids	36 – 38%
Preservative	Ethylhexylglycerin & Caprylyl Glycol

Attributes

- Excellent conditioning for damaged hair
- Increases manageability
- Improves texture and strength

Applications

- Hair care

Recommended use levels 0.50 – 5.00%

Biosil Basics[®] L-Cysteine CE is the paraben and phenoxyethanol free version of our original ingredient, **Biosil Basics[®] L-Cysteine**, which is formed from the reaction of the non-essential amino acid, Cysteine, and a highly reactive silicone.

Cysteine is marketed in nutritional supplements as an antioxidant to stimulate healthy hair growth. Amino acids are the building blocks of protein in the body. Cysteine bonds with other proteins to form hair shafts. These bonds are what make Cysteine an important part of hair growth.

Cysteine also improves hair strength through the contribution of sulfur. Cysteine is also known to bind to and transport minerals such as iron and zinc which are essential agents in the reversal of hair loss. This sulfur bearing amino acid makes up almost 8%-10% of each hair strand. Cysteine promotes hair growth by increasing the diameter of the hair shaft. Therefore, Cysteine has become a common ingredient in hair care products.

Biosil Basics[®] L-Cysteine CE can provide a thin hydrophobic coating to reduce the porosity of the hair making it less likely to absorb humidity which makes this ingredient great for smoothing and straightening products. It can also reduce moisture loss from the inside of hair to provide excellent conditioning. Additionally, it can lubricate the surface of the hair for increased manageability and intensify its luster. **Biosil Basics[®] L-Cysteine CE** is an excellent raw material choice to enhance your hair care formulation.

Storage and Handling

Before handling please read the Safety Data Sheet and container label for safe use, physical and health hazard information. Material must be shaken prior to use and should not be exposed to freezing conditions.

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