



# Disodium EDTA

INCI Disodium EDTA  
CAS 6381-92-6

## SPECIFICATIONS

Appearance White crystal powder  
Assay 99% min

## GENERAL INFORMATION

Disodium EDTA is used as an organic chelating agent in cosmetic formulations. It is a water-soluble acid and functions as a strong emulsion stabilizer. Due to its six functional groups, Disodium EDTA is able to form complexes by bonding metal ions in a solution and rendering the metal ions inactive.

In skincare products this helps prevent cosmetic formulations and other personal care products from deteriorating.

Disodium EDTA protects the integrity of cosmetic products from different changes, such as modifications in the pH, in odor, in texture and unwanted consistency changes.

In addition, Disodium EDTA enhances the foaming and cleaning abilities by binding with metal ions like magnesium, iron and calcium.

## FORMULATION & RECOMMENDATIONS

Disodium EDTA can be used in many applications and products. It does not sensitize human skin and provides enhanced biocidal/preservative boosting power when compared to commonly used boosters.

It is suitable to be used in personal care and cosmetics products due to the strong chelating ability of calcium and transition metal ions, prolonging the shelf life of many products.

**Recommended use concentration**  
0.05 – 0.1%

**Solubility**  
completely soluble in water at all proportions

## BENEFITS

- Easy handling
- Enhances performance of cosmetic products
- Binds metal ions
- Enhances foaming and cleaning abilities

## APPLICATIONS

Fragrances  
Pharmaceuticals  
Natural extracts

### Cosmetics

- Skin care
- Sun care
- Oral care
- Baby care
- Make up
- Hair care
- Toiletries

## SHELF LIFE

12 months under proper storage conditions

