

Lotioncrafter Disodium EDTA

Lotioncrafter Tetrasodium EDTA

INCI: Disodium EDTA
Tetrasodium EDTA

DESCRIPTION

EDTA, Ethylenediaminetetraacetic acid is a molecule which complexes metal ions in aqueous environments. It is available in four neutralizations, two of which, Disodium EDTA and Tetrasodium EDTA, are commonly used in the cosmetics and toiletries industry. Generally, the choice of which product to use is determined by the pH of your product. Disodium EDTA is used in neutral to mildly acidic products, like most creams and lotions and neutral pH liquid soaps and shampoos. Tetrasodium EDTA is recommended for alkaline products, like most handcrafted soap (and can also be used in creams and lotions).

BENEFITS

- Counteracts the defoaming action of hardness ions on toilet soaps
- Prevents chalking, rancidity, and metal-catalyzed discoloration in bar and other solid soap formulations.
- Additional quantities may also improve foaming, soaping action, and the “feel” of soap at normal bathing temperatures.
- In creams, oils, and ointments, works synergistically with the preservative system to improve efficacy.
- In creams, oils, and ointments can prevent discoloration, rancidity and other undesirable metal-catalyzed reactions.
- In shampoos, will enhance shelf life and may be used to soften the water with which the liquid shampoo is diluted during manufacture.

APPLICATIONS

Bar Soaps
Liquid Soaps
Shampoos
Creams and lotions
Shaving products

RECOMMENDED USE LEVELS

Creams and Lotions	0.01 to 0.2% to improve preservative efficacy. 0.2 to 0.5% (by weight) to protect against discoloration and rancidity (metal-catalyst induced). 0.5 to 1.0% to prevent metal sulfide formation in sulfide and sulfhydrylate-containing products.
Soap	1.2 – 4% to counteract defoaming action of hardness ions.
Shampoos	0.1% for enhanced shelf life and softening water used in dilution of shampoo during manufacture.

FORMULATING WITH EDTA

EDTA should be added to the water phase of formulations.

STORAGE

Disodium EDTA and Tetrasodium EDTA should be stored in tightly closed containers in a cool, dry place.

LIMITATIONS

This product is neither tested nor represented suitable for medical or pharmaceutical uses.

LIMITED WARRANTY – PLEASE READ CAREFULLY

The information contained herein is offered in good faith based on Lotioncrafter's research and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information shall not be used in substitution for customers' tests to insure that Lotioncrafter's products are fully satisfactory for your specific applications. Our warranty is that the product will meet its current sales specifications. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.