AE Tri-Act PME®

AE Tri-Act PME® 3 in 1: Preservative, Moisturizer, Emollient

INCI:
CAPRYLYL GLYCOL, ETHYLHEXYLGLYCERIN, UNDECYLENOYL GLYCINE AND CAPRYLOYL GLYCINE

Non-Phenoxyethanol and Non-Paraben Preservative for Cosmetics (Rinse-off and Leave-on) and Toiletries

- Natural/plant derived
- Multifunctional cosmetic-preservative, moisturizer, emollient
- Broad Spectrum preservative
- Stable at high temperatures and pH
- Effective in pH range up to 12
- Improves skinfeel of cosmetic formulations

Effective Use Level

As preservative:
Leave-on/Rinse-off products: 1.0 - 1.2%
As moisturizer/emollient: 0.5 - 2.0%

Worldwide Approval

Approved for use in China, Japan, Canada, Australia, Europe and USA

Mode of Action

AE Tri-Act PME® is a compound derived from grains and plants and works by reducing interfacial tension on the cellular walls of micro-organisms, promoting a more rapid destruction and a wider spectrum of activity.

Physical and Chemical Data

Appearance: Liquid
Color: Pale straw to yellowish liquid
Odor: Characteristic
Density: Approx. 0.9890 g/ml

Microbiological Efficacy
AE Tri-Act PME®- a natural sourced preservative used as an alternative to Parabens and Phenoxyethanol. Derived from glycerin/ Lipoaminoacids and can also be used as emollient, moisturizer, deodorizer and skin conditioner.

AE Tri-Act PME® has a broad spectrum efficacy against Gram Positive, Gram Negative, Yeast and Fungi.

Minimum Inhibitory Concentration Values at pH 6:

Species	AE Tri-Act PME®(%)
Gram Negative	
Escherichia coli	1
Pseudomonas aeruginosa	1
Klebisella pneumonia	0.6
Enterobacter cloacae	0.7
Pseudomonas fluorescens	0.7
Pseudomonas putida	0.6
Gram Positive	
Staphylococcus aureus	1.2
Staphylococcus epidermidis	0.5
Burkholderia cepacia	1
Molds & Fungi	
Aspergillus niger	0.5
Penicillium funiculosum	0.5
Yeast	
Candida albican	0.5

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