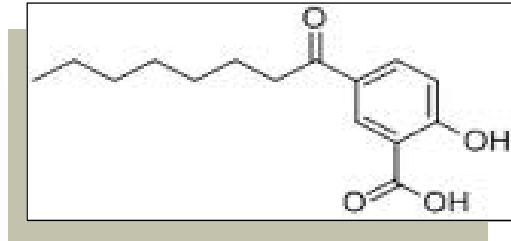


McKinley CG-4

INCI: Phenoxyethanol (and) Caprylyl Glycol

CAS#: 122-9-6 (and) 1117-86-8



Description:

McKinley CG-4 is a broad spectrum, liquid preservative system free of parabens, formaldehyde, and isothiazolinones. This preservative system is Phenoxyethanol in an emollient base of caprylyl glycol. It is a clear liquid that has no pH restrictions and is safe for use at temperatures below 176 degrees. It is suggested for usage levels at .5 - 1.5% and is best used in oil based products.

Technical Data:

Test	Specification
Appearance @ 25°C	Clear to light yellow liquid
Actives content	100%

Applications:

McKinley CG-4 can be used in anhydrous formulations and emulsions: hair care and skin care formulas. It will offer protection against gram-positive and gram-negative bacterial, yeast and mold in conditioners, gels, mousses, novel styliers, shampoos, styling lotions/creams, body care, color cosmetics, face and body washes, facial care, and wipes.



McKinley CG-4 is not heat sensitive & can be added directly to formulation with heat. This can cause some destabilizing in some emulsions so it is recommended to be added during POST-emulsification @/or below 37.7°C.

No pH restrictions and it compatible with most raw materials.

Not very water soluble and therefore not recommended for all water products.



McKinley Resources, Inc.

P.O. Box 810472 • Dallas, TX 75381

Phone: 972-620-9730 • Fax: 972-421-1860

info@mckinleyresources.com • www.mckinleyresources.com