



6 Park Drive P.O. Box 367• Franklin, NJ 07416
Phone: 973-209-7474 • Fax: 973-209-6108
www.globalseven.com

Hest GC818 Natural Vegetable Based Thickener

- PEG-Free high performance thickener
- 100% Renewable vegetable source
- Amide replacement
- Re-fatting agent
- Patent pending technology

DESCRIPTION

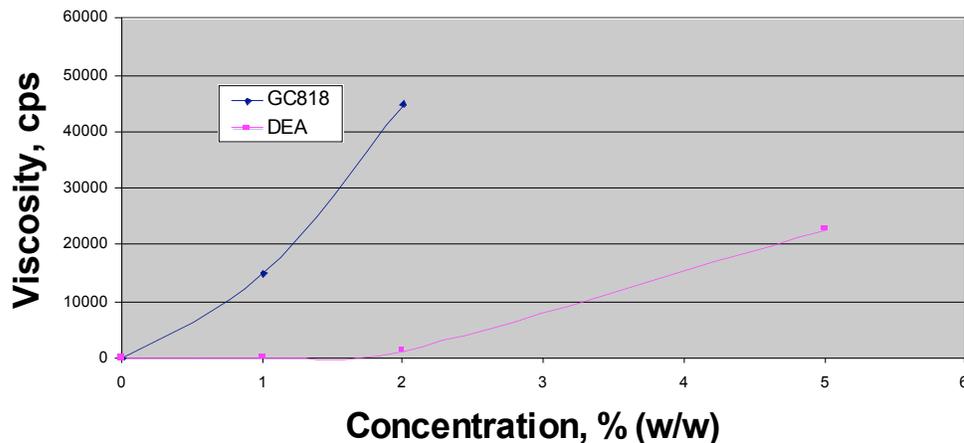
Global Seven Hest GC818 is a natural thickener for aqueous liquid cleansing products derived from 100% renewable vegetable sources. It consists of a blend of glyceryl esters and is highly effective in aqueous surfactant systems. Since Hest GC818 is made without alkoxylation and is an amide replacement, it is possible to make formulations

free of polyethylene glycols (PEGs),
free of ethylene oxide (EO),
free of propylene oxide (PO),
free of 1,4 dioxane,
free of nitrosamines.

PROPERTIES

Global Seven Hest GC818 is a light color, low odor liquid. It is a highly effective, liquid thickener for surfactant systems including lauryl ether sulfates and lauryl sulfates. It functions as a replacement for amides helping increase foam stability as well as viscosity. For example, the figure below demonstrates the superior performance of Hest GC818 versus cocamide DEA in an ALS (3% active)/ALES (10% active)/Cocamidopropyl betaine (2.5% active) based cleansing system. Hest HVB GC818 gives a viscosity 2-10 times greater than that with cocamide DEA. This means that Hest GC818 Liquid can be used at substantially lower concentrations than other thickeners resulting in significant formula cost savings.

Effect of Hest GC818 vs DEA on Viscosity





6 Park Drive P.O. Box 367• Franklin, NJ 07416
Phone: 973-209-7474 • Fax: 973-209-6108
www.globalseven.com

Hest GC818 Natural Vegetable Based Thickener

APPLICATION

Global Seven Hest GC818 is an effective replacement for amides, highly effective in building viscosity and helping stabilize foam volume. The table below demonstrates that Hest GC818 stabilizes foam volume.

Composition	Foam Height (mL)	
	Time = 0 minutes	Time = 5 minutes
Cleanser Base	48.0	47.0
Cleanser Base + 1.0% Hest GC818	50.0	46.0
Cleanser Base + 5.0% Hest GC818	50.0	46.0

Use levels are formulation dependent but are generally at about level of about 1-10%. The data in the following table compare the effect of various thickeners on an ALS/ALES/CPB surfactant system. Clearly Hest GC818 is far more effective than Cocamide DEA; as much as 2-10X more effective. This means significant reductions in formula cost and potential irritation by using Hest GC818.

Thickener, 2% active	Hest GC818	Cocamide DEA	PEG-150 Distearate	Liquid Thickener
Viscosity, cps	45,000	1,400	11,200	18,000

Global Seven Hest GC818 is comparable in efficacy to other commercial liquid thickeners and compared to other thickeners such as PEG-150 distearate, Hest GC818 is a much more effective thickener. Global Seven Hest GC818 improves product performance, increases formulation versatility, simplifies the manufacturing and development process, shortens manufacturing and development cycle time, and reduces formulation and manufacturing costs.

REGULATORY

Hest GC818: INCI Name: Glyceryl Isostearate (and) Caprylic/Capric Glycerides
EINECS #: 262-710-9/266-124-4, 287-075-5 CAS #: 61332-02-3/66085-00-5, 85409-09-2

Global Seven, Inc. believes the information contained in this literature to be reliable, but it is only representative information. No warranty is given or implied as to accuracy, suitability for particular applications or the results to be obtained. No recommendation should be construed as inducement to infringe patents.

Rev.6/09