



AquaThik™

Description:

AquaThik is a gelling agent that is suitable for aqueous solutions or emulsions with a pH below 7.

Very effective for producing gels with a pH in the 3 to 5 range, AquaThik is a fine powder that disperses and solubilizes readily on mixing to produce high viscosity gels with excellent stability. The gels produced using Aqua-Thik are suitable for use in cosmetic and pharmaceutical formulations with no restrictions. AquaThik may also be used as a direct food additive to the limit of 25%. While there are many gelling agents suitable for producing alkaline gels, AquaThik is the most suitable gelling agent for acid solutions where a large amount of strong acids are not present. Usually as little as 2 to 3½% of AquaThik by weight is sufficient to produce a gel of several hundred thousand cps at pH of 3.

Usage:

AquaThik is a cream colored powder, which at first is dispersible, and then becomes soluble in either cold or hot water. Adding it slowly to a mildly acidic aqueous solution with slow agitation will produce stable viscous to highly viscous solutions in a matter of minutes, depending on the amount of AquaThik added. Although AquaThik contains methylparaben and propylparaben, preservative effectiveness should be confirmed.

Nomenclature:

CAS: 11138-66-2, 25322-68-3, 90-80-2
INCI: Xanthan Gum, Peg-180, Gluconolactone
EINECS (Europe): 234-394-2, N/A, 202-016-5
DSL/NDSL (Canada): 9597, 11417, 2315
ENCS (Japan): JCIC 109058, N/A, JSFA 109148
AICS (Australia): All components comply

Typical Properties:

These values are typical properties only and not necessarily specifications. Specifications and test methods are available upon request.

Form	Powder
Color	White to cream
pH 1% Solution	5.0 – 7.5
Viscosity (Brookfield DV-II, Spindle TD, 50 rpm)	1200 – 1700 cps

Testing:

Aqua-Thik is characterized as having extremely low toxicity because the principle components from which it is made are food grade.

Derivation:

AquaThik is derived from vegetable and synthetic sources. No animal derived ingredients are present. AquaThik contains methylparaben and propylparaben.

Storage and Handling:

Avoid contact with strong oxidizers. As with any fine powder, sparks or flames may trigger a dust explosion.

Availability:

AquaThik is available in 100-pound containers.

Contact Guardian Laboratories for information about samples or sales.