

GARAMITE-7308 XR

Organically Modified Rheological Additive for Oil and Solvent Phases in Cosmetic Applications

Product Data

INCI Name

Quaternium-90 Sepiolite (and) Quaternium-90 Montmorillonite

Product Description

GARAMITE-7308 XR was developed using the patented Mixed Mineral Thixotrope (MMT) technology. The MMT technology provides performance benefits which are not possible with traditional organoclay additives. Due to the multiple particle morphologies of GARAMITE-7308 XR, the powder disperses very easily into oils or solvents with only moderate shear. No high shear mixing as well as polar activators are needed. GARAMITE-7308 XR has been sterilized by gamma irradiation.

Typical Properties

The values indicated in this data sheet are typical and do not constitute specification limits.

Form:	Fine powder
Color:	Off-white
Specific Density:	1.5 - 1.7 g/cm ³
Loose Bulk Density:	130.0 g/l
Moisture:	max. 6.0 %
Weight Loss on Ignition:	27.0 - 33.0 %
Dry Sieve - 200 mesh:	min. 98.0
Escherichia Coli:	0.0
Microbial APC Count:	< 100 cfu/g

Recommended Use

GARAMITE-7308 XR may be used in all low to medium polar organic fluid systems.

Suitable solvents: Cyclomethicone, Dimethicone, Mineral Oil, Isododecane, Castor Oil

Application areas:

Personal Care:	Cream and Lotion Sunscreen Product Antiperspirant
Color Cosmetics:	Foundation Lipstick Cream Eye Shadow

Incorporation and Processing Instructions

GARAMITE-7308 XR is effective over a wide range of low polar fluid systems and has no processing temperature requirements. GARAMITE-7308 XR can be dispersed with moderate shear equipment for approx. 10 minutes. No high shear is necessary for activation. GARAMITE-7308 XR can be easily and quickly incorporated to the formulation at every step.

Recommended Levels

Typically, 1 - 3 % loading of GARAMITE-7308 XR (based upon total formulation weight) is a good starting point to increase viscosity, control syneresis and provide thixotropic flow behavior.

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These levels are suggested as guideline; optimum levels can be determined by laboratory tests.

Special Note

GARAMITE-7308 XR exhibits a very unique rheology profile compared to other thickening additives. Very high low-shear viscosity can be achieved by incorporating GARAMITE-7308 XR into formulations which are results in outstanding anti-settling and anti-syneresis properties. However, when a shear force is applied, the viscosity is quickly reduced which allows for excellent application properties and skin feel.

In general, GARAMITE-7308 XR does not need a polar activator, but the use can be a benefit in some circumstances by increasing the viscosity.

Storage and Transportation

GARAMITE-7308 XR should be stored dry in unopened, original packaging at temperature between 0°C and 30°C.

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