

PRODUCT INFORMATION SHEET SCLEARGEL



INCI Name: Sclerotium gum
Cas nr: 39464-87-4
Einecs nr: 254-464-6

Rheological agent, resulting from the fermentation of the Sclerotium rolfisii mushroom (GMO free), it is the perfect ingredient to formulate extremely transparent and clear aqueous gels.

It can also be used as a co-emulsifier to stabilize emulsions.

100% natural, SCLEARGEL is a perfect alternative to synthetic polymers.

It is a non-ionic agent and therefore can not interact with other ingredients in the formulas. Used as a co-emulsifier, it allows to form a network around the oily particles to avoid phase shift.

PROPERTIES

- Viscosity agent that brings great transparency to gels.
- Non-ionic gelling agent
- Stabilizes emulsions
- Stable over a wide pH range (3 to 11).
- Ideal for gelling in the presence of delicate ingredients such as alcohols (up to 20% max), salts...
- Thicken with electrolytes
- Incompatible with anionic and cationic surfactants

USES

Ideal to formulate skincare product such as face serum, lotion, cleansers, creams with soft and smooth textures.

Naturel Basics

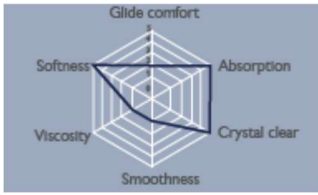
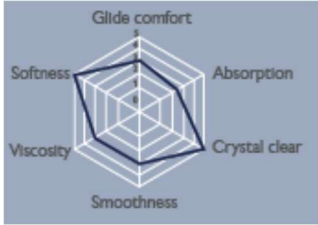

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FORMULATION

Usage level: From 0.1% to 2%

Incorporate the powder into the aqueous phase under agitation, and mix for 30 minutes at 45°C.

Examples :

Composition	Results	Sensorial Profile
0.5% SCLEARGEL 99.5% Demineralized water	Very fluid aqueous gel such as a light veil. High softness during application. A very good absorption into the skin. Crystal clear texture.	
1% SCLEARGEL 99% Demineralized water	Aqueous gel with a higher viscosity. High glide comfort, freshness and softness during application. Very good absorption into the skin. Crystal clear texture.	
2% SCLEARGEL 98% Demineralized water	Aqueous gel with a high viscosity. Very high glide comfort with a smooth texture. Soft during application. Crystal clear texture.	

Packing: 10kg bag
Shelf life 36 months

**100% natural according to ISO16128 standard
Cosmos compliant**