



The derived natural alternative to petro-based polymers with augmented sensoriality



**DERIVED NATURAL
ACCORDING TO
ISO 16128-1: 2016 &
ISO 16128-2: 2017**



**BIODEGRADABLE
ACCORDING TO
OECD 301 B**



HALAL



KOSHER



VEGAN SUITABLE²



MADE IN FRANCE

CARGILL SUSTAINABILITY SCORE



Origin:

- INCI: Hydroxypropyl Starch Phosphate & Sclerotium Gum
- Actigum™ Care is a rheology modifier made of polysaccharides : biofermented sclerotium gum and waxy corn starch
- The variety of corn (Waxy maize) was selected because of it's 99% amylopectin presence which increases the stability of the starch molecules.

Traceability & sustainability:

A combination of Sclerotium Gum created through bio-fermentation of sugar from 100% renewable feedstock and modified starch derived from 100% European sourced Waxy Corn rated Silver via the Sustainability Agricultural Initiative (SAI) platform.

Uniqueness:

- AI-based polymer development
- Thickener & consistency agent
- Alternative to petro-based rheology modifiers
- Stability aid & suspending agent
- Great pick-up
- Quick break effect in emulsion
- Premium sensorial experience

Technical data:

- Dose of use : 1-4%
- Form : light beige powder
- Cold or Hot processable
- Shear thinning and thixotropic behavior
- Solid viscoelastic network (high stability)

NaCl %	0	2
	+	+

Alcohol	0	10
	+	+

pH	3	7	9
	+	+	+

+ with most preservative systems

Applications

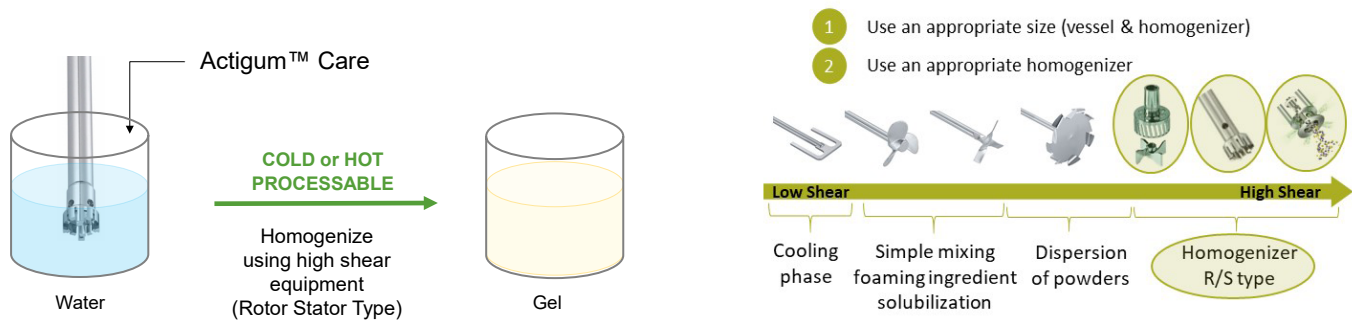


Actigum™
Care

When to use Actigum™ Care?

- To thicken gels or emulsions in a wide range of textures : serums, gel, lotion to cream
- To replace petro-based polymers
- When looking for creaminess and smoothness
- To bring elegant sensoriality to the product & a smooth after-feel

Formulation tips



Recommendations:

- Processing Variation: Mixing time to achieve the appropriate viscosity will depend on the size of the vessel, the geometry and the speed of the homogenizer.
- Viscosity check : initial viscosity must be checked to ensure full deployment of the polymer (Targeted viscosity 3% Actigum™ Care at Day0 ≈ 4700 - 5700 mPa.s)

Product details

- CAS N° Hydroxypropyl Starch Phosphate 53124-00-8, Sclerotium Gum 39464-87-4, Helianthus Annuus (Sunflower) Seed Oil 8001-21-6
- Packaging: 15 kg (net) PE bags hermetically sealed
- Shelf life after production date (months): 24
- IECIC listed / NMPA ongoing

Contact us at: beauty@cargill.com

¹ all the components of the blend have been found readily biodegradable according to OECD 301b

² The responsibility of a vegan claim lies with the cosmetic manufacturer. Please consult your own legal or regulatory experts to ensure suitability of the product with your preferred standard.

³ Cargill has not tested Actigum™ Care in final OTC drug formulations. Compliance with FDA regulations is the responsibility of the consumer.

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