



## StarDesign™ Power

# The Powerful O/W Emulsifier with thickening & sensory enhancing capacities



**DERIVED NATURAL  
ACCORDING TO  
ISO 16128**



**READILY  
BIODEGRADABLE  
ACCORDING TO  
OECD 301 B<sup>1</sup>**



**HALAL**



**KOSHER**



**VEGAN SUITABLE  
ACCORDING TO  
VEGAN.ORG**



**MADE IN SPAIN**

### Origin:

- INCI: Hydroxypropyl starch phosphate & Sodium starch octenylsuccinate
- Optimized & patented complex of the hydrophilic starch, hydroxypropyl starch phosphate, (HP) that thickens the water phase & the lipophilic starch, sodium octenyl succinate starch (n-OSA), which stabilizes the emulsion at the oil-water interphase

### Traceability & sustainability:

- Based on waxy corn 100% from Europe
- Sourcing is verified externally and benchmarked Silver against the Sustainable Agriculture Initiative (SAI) Platform in order to protect the soil and the biodiversity as well as to improve the water usage and quality.

### Uniqueness:

- Triple function: emulsion stabilizer at the oil-water interface, thickener of the water phase & sensory enhancer
- Primary emulsifier or co-emulsifier for low or high 5-60% of oil content of all polarities
- Richness during application
- Smooth & cocooning after feel
- No soaping effect
- Competitive cost-in-use

### Technical data:

- Dose of use 1-6%
- White powder form
- Non-ionic
- Cold/Hot processable
- Dispersible in water
- pH range: 4-7

### Compatibility:

Preservative	EUXYL® K903 1%	EUXYL® K712 1,2%	EUXYL® PE9010 1%	NATSOFT® SCB 1,3%	SPECTRASTAT™ 1%
INCI	Benzyl Alcohol, Benzoic Acid, Dehydroacetic Acid, Tocopherol	Sodium Benzoate, Potassium Sorbate, Aqua	Phenoxyethanol, Ethylhexylglycerin	Sorbitan Caprylate, Propanediol, Benzoic Acid	Caprylyl Glycol, Caprylyl- droxamic Acid, Glycerin
	+	+	+	-	-

NaCl %	0	2
	+	+

pH	4	7
	+	+

## Applications



StarDesign™  
Power

## When to use StarDesign™ Power?

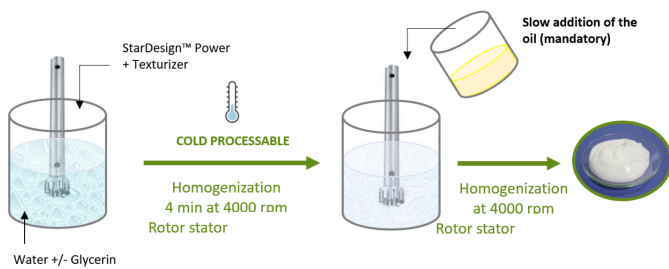
- To emulsify up to 60% of oil content and texturize the water phase with the same ingredient
- To emulsify whatever the formulation conditions: oil polarity, pH, electrolytes
- To uncover a full texture range with smooth sensory profile: no soaping effect and non-sticky
- To have a competitive cost in use emulsifier

### Textures:

- Lotion
- Cream
- Butter
- Mask
- Sensory fingerprint: soft, cocooning, fast absorbing

## Formulation tips

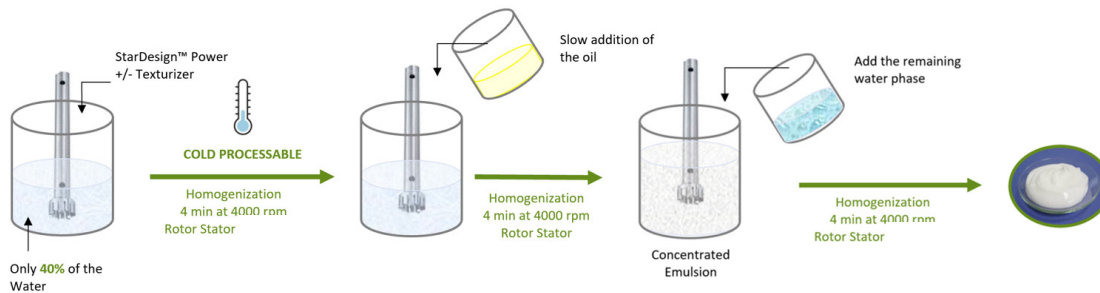
### As a primary emulsifier (oil content >30%)



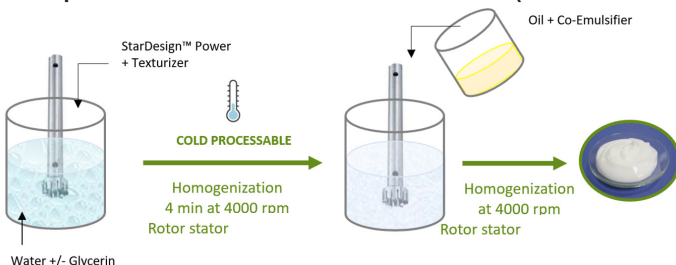
## Product details

- CAS N° Sodium Starch Octenylsuccinate 66829-29-6
- Hydroxypropyl Starch Phosphate 53124-00-8
- Packaging: 20 kg (net) paper bags hermetically sealed
- Shelf life after production date (months): 24
- IECIC listed

### As a primary emulsifier (oil content <30%): concentrated & cold process



### Cold process in combination with lecithin (or other co-emulsifier)



<sup>1</sup> All the components of the raw material are readily biodegradable according to OECD 301 B.

<sup>2</sup> Product made to food grade GMPs and has not been tested in sunscreen. Manufacturer is responsible for compliance with corresponding regional and global sunscreen regulations.

Contact us at: [beauty@cargill.com](mailto:beauty@cargill.com)

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