



BEAUTÉ BY ROQUETTE® DS 421

Be amazed by our new plant-based O/W emulsifier & texturizer all in one.

Thanks to Roquette Beauté starches expertise to create new natural experiences, discover a ready-to-use highly flexible ingredient, with sensory benefits. Beauté by Roquette® DS 421 is a unique combination of two starches and natural gums working even at cold process to answer consumer needs for all kind of textures.

BENEFITS AT A GLANCE:

- **All in one emulsifier & texturizer** with sensory benefits operating at cold process
- A **panoramic range of textures** according to your choice of oil content
- A suspending structured 3D network easy to formulate providing **quick break features**
- A complete solution that delivers **nourishing & pleasant skin feel**

INCI NAME:

Sodium starch octenylsuccinate, Starch acetate, Cyamopsis tetragonoloba gum, Caesalpinia spinosa gum, Xanthan gum

PHYSICAL ASPECT:

White to off-white odorless powder

ORIGIN:

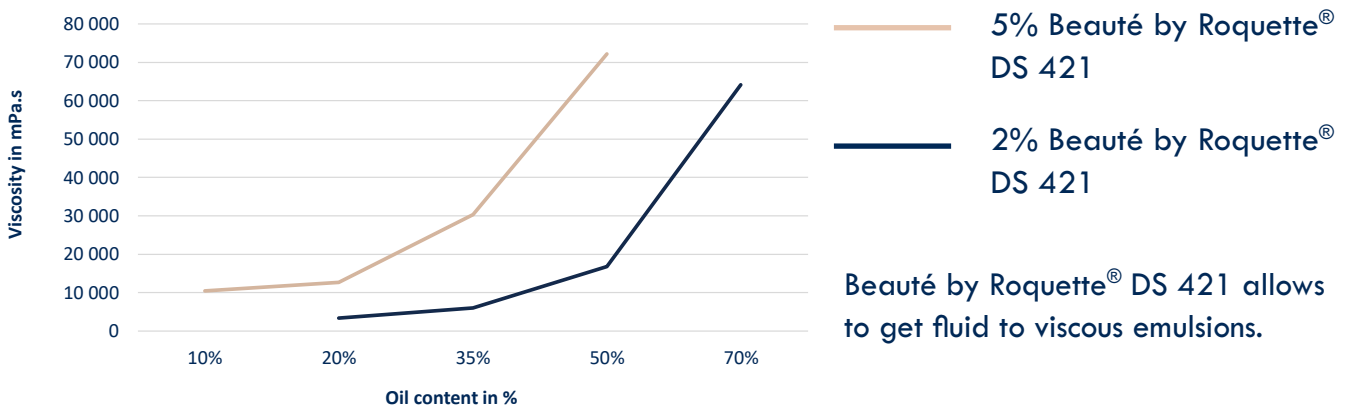
Plant-based ingredients



Cno* = 98%

OBTENTION OF A WIDE RANGE OF TEXTURES

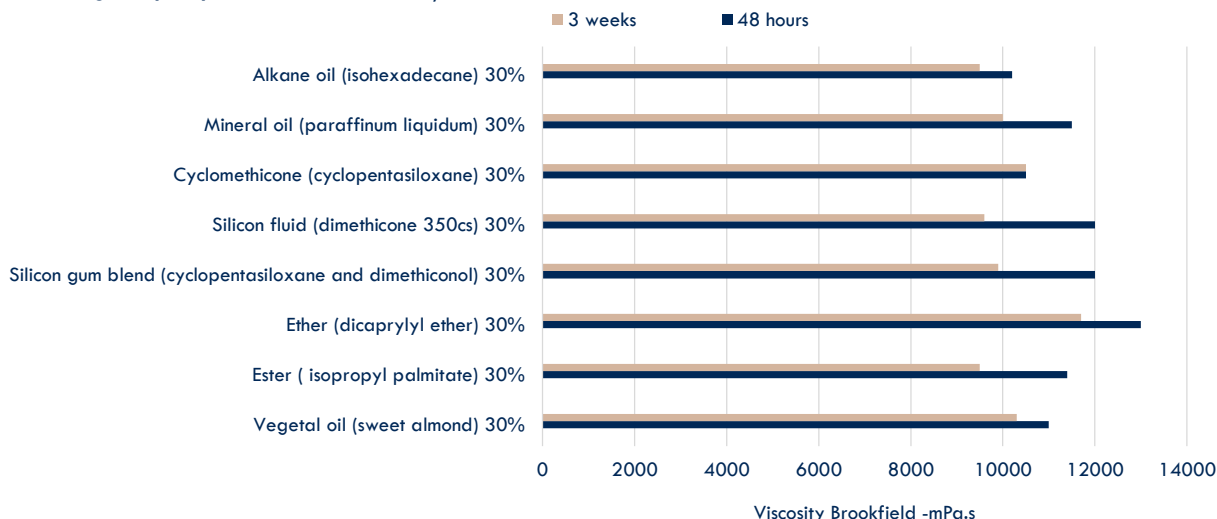
Emulsions with Beauté by Roquette® DS 421 at 2% and 5% with different % of oil (Helianthus annuus seed oil).



* Natural origin content: sum of the relative concentrations of a product's ingredients multiplied by their corresponding natural origin indexes

EFFICIENT WITH UP TO 60% OF OILS

Beauté by Roquette® DS 421 can emulsify all types of oils (Esters, Ethers, Minerals, Vegetal, Silicone...) allowing to prepare rich in oil O/W emulsions.



SPECIFIC FEATURES:

- Cold or hot process emulsion
- Compatible with salts, surfactants and pigments
- Compatible with ethanol (up to 5%)
- Emulsifies all types of oils (ester, ether, mineral, vegetale, silicone, etc...)
- Wide range of textures

FORMULATION EXAMPLE:

HAND TO HAND - SC-047-001

APPLICATION GUIDELINES:

- To disperse in the water phase

RECOMMENDED APPLICATIONS:

Skin care, Sun care, Color cosmetics.

RECOMMENDED USE LEVELS:

2 - 5 %

pH OF USE:

3 to 8

	INCI NAME	COMMERCIAL NAME (SUPPLIER)	% W/W
PHASE A	Aqua	Deminerilised water	Up to 100
	Sodium starch octenylsuccinate, Starch acetate, Cyamopsis tetragonoloba gum, Caesalpinia spinosa gum, Xanthan gum	Beauté by Roquette® DS 421 (Roquette)	3.00
PHASE B	Prunus amygdalus dulcis oil	Sweet almond oil (Cooper)	30.00
	Phenoxyethanol, Methylparaben, Ethylparaben, Butylparaben, Propylparaben	Sepicide HB (Seppic)	1.00
	Fragrance	Nola Fresh Juice (L.R. Flavors & Fragrances)	0.20

PROCESS

- 1/ Disperse Beauté by Roquette® DS 421 and stir (defloculator 1 000 rpm) until DS 421 is hydrated and becomes opalescent (10 minutes approx.),
- 2/ Prepare phase B,
- 3/ At room temperature, add slowly phase B into phase A while stirring (defloculator 2 000-3 000 rpm). Maintain agitation for 10 minutes.

FORMULATION SPECIFICATIONS

ASPECT	White cream
pH	4.7 - 5.2
VISCOSITY	Brookfield, SP5, 20rpm, 1min: 10 000 - 15 000 mPa.s
STABILITY	1 month at 50°C, 40°C and at room temperature