

HYDROALCOHOLIC GEL

A range of polymers to formulate with high level of ethanol

Ingredients that inspire

Daily hygiene helps to **limit illness**. Hydroalcoholic gels are mainly composed of high level of alcohol for its **disinfecting properties**.

This high amount of alcohol can destabilize the gel decreasing viscosities, give a sticky touch and induce dehydrated skin due to frequent use. Addition of glycerin can prevent this phenomenon.

SEPINEO™ polymers can easily obtain:

- gel texture of hydroalcoholic formulas: it makes it easy to use, not too runny during application
- an increase of the skin feeling, less sticky and more emollient

SEPINEO™ PHD 100

Polyacrylate Crosspolymer-6

- Powder
- Compatibility ethanol : 95% with 2.8% **SEPINEO™ PHD 100**
- Suspending properties

SEPINEO™ D.E.R.M.

Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer

- Powder
- Compatibility ethanol : ~65% with 2% **SEPINEO™ D.E.R.M.**
- Sprayable

SEPINEO™ P600

Acrylamide/Sodium Acryloyldimethyl Taurate Copolymer/Isohexadecane - Polysorbate 80

- Liquid: easy to use
- Compatibility ethanol : ~70% with 3% **SEPINEO™ P600**



*Maximum solvent incorporated into an aqueous gel
Formula : qs polymer for an aqueous gel of 80,000 -100,000 mPa.s, x% solvent, up to 100% Water



Seppic Offer

Polymers

Thickeners/
Stabilizers

Texturizer



Formulas Ideas



Moisturizing Hydroalcoholic Gel AS40067A

A Aqua/Water Up to 100%
Glycerin 3.00%
Alcohol (sol. 95°) 66.00%

B **SEPINEO™ PHD 100** 0.80%

C Xylitylglucoside - Anhydroxylitol - Xylitol 1.00%

Transparent Gel
(14,000 mPa.s Brookfield S3S6)
Stabilization until 95% ethanol



Transparent Hydroalcoholic Gel EU7037P

A Aqua/Water Up to 100%
Alcohol (sol. 95°) 65.00%
SEPINEO™ D.E.R.M. 1.50%

Translucent Gel
(14,000 mPa.s Brookfield M3V6)
Easy Application and efficient with gel texture



Hydroalcoholic Spray EU7401P

A Aqua/Water Up to 100%
Alcohol (sol. 95°) 65.00%
SEPINEO™ D.E.R.M. 0.80%

Translucent Liquid
(580 mPa.s Brookfield S3S6)
Easy application and homogenous



Hydroalcoholic Gel EU7023 P

A Aqua/Water Up to 100%
Alcohol (sol. 95°) 60.00%

B **SEPINEO™ P600** 4.00%

Turbid Gel
(85,000 mPa.s Brookfield S4S6)
Easy Application and efficient with gel texture

Addition of 3-5% glycerin can prevent dehydrated skin



Expertise

- All these formulas contain more than 60% alcohol. **SEPINEO™ polymers allow to incorporate high level of solvents, especially alcohol 95°** and can obtain formulas with different viscosities and different rheological.
- Conformity with standard NF EN 14476 is not verified on these formulas.
- On the basis of the available data, such products have proven their efficacy on naked viruses 7, 8, 9,10 (i.e. on viruses that are more resistant than enveloped viruses), which implies that it is also active, by deduction, on the influenza A(H1N1)v virus.
Source: French Health Products Safety Agency on the use of hand disinfectants for healthy skin

- 1 Palm to palm
- 2 Back of the hand
- 3 Back of fingers
- 4 Thumbs
- 5 Fingertips and fingernails
- 6 Wrists



A company