

ESP A+

ESP A+ Gel™, ESP A+™ Powder, and ESP A+ Beads™ are part of Earth Supplied Products' new and revolutionary A+ line. A revolutionary, completely foamable, sprayable, and pumpable technology that's all natural and can replace synthetic/petroleum based rheology modifiers and gellants in your products.



ESP A+ Gel™

Overview

100% pure inner leaf aloe vera based **ESP A+ Gel™** is a completely sprayable, foamable, and pumpable concentrated material that can be used "as is" or as an ingredient to replace synthetic gellants.

Regardless of viscosity, this patent pending, all natural, moisturizing aloe gel easily flows up your packaging's dip tube to pass smoothly through a spray or self-foaming orifice. **ESP A+ Gel™** is non-clogging and will enhance the feel and aesthetics of your formulas. It is readily absorbed and will leave the skin soothed and refreshed.

pH Awareness

The viscosity of **ESP A+ Gel™** is sensitive to changes in pH. As the pH is increased, the viscosity drops.

Tactile properties do not seem to be materially affected by pH changes. The ideal range is 4.4 to 4.8

We see no loss in benefit when added to higher pH systems.

Composition

ESP A+ Gel™ is made from 100% pure inner leaf aloe vera and seaweed based algin. It helps sooth and repair damaged skin while forming a protective barrier to help retain moisture and promote healing.

ESP A+ Gel™ is stable in water and surfactant systems yet will disperse fully under shear. It atomizes when sprayed and completely disperses when foamed. **ESP A+ Gel™** can be used in creams and lotions to improve moisturization, aesthetics, and replace synthetic gellants.

Non Clogging

ESP A+ Gel™ provides superior suspension properties, yet sprays and pumps very easily. Spray patterns are excellent and no tip clogging has been observed through a wide variety of spray and foam nozzles.

Reduce Cycle Time and Cleanup

ESP A+ Gel™ is thermally sensitive. Viscosity will drop as temperature increases and will recover as it quiescently cools to room temperature. This provides the benefit of improved throughput at the filling machine while maintaining enough viscosity to minimize splashing at the filling nozzle.



ESP A+ Gel Powder™

Overview

ESP A+ Gel™ Powder is a highly concentrated, all natural replacement for both natural and synthetic rheology modifiers. This patent pending Aloe and Seaweed based gel powder can be solubilized to achieve a wide variety of viscosities that are completely sprayable, foamable, and pumpable. The solution flows up a dip tube to pass smoothly through a spray or self-foaming orifice regardless of viscosity.

The hydrated **ESP A+ Gel™ Powder** is non-clogging and will enhance the feel and aesthetics of your formulas. It is readily absorbed and will leave the skin soothed and refreshed.

Composition

ESP A+ Gel™ Powder is made from 100% pure inner leaf aloe vera and seaweed based algin. It helps sooth and repair damaged skin while forming a protective barrier to help retain moisture and promote healing.

ESP A+ Gel™ Powder is stable in water and surfactant systems yet will disperse fully under shear. It atomizes when sprayed and completely disperses when foamed. **ESP A+ Gel™ Powder** can be used in creams and lotions to improve moisturization, aesthetics, and replace synthetic rheology modifiers.

It is completely sprayable, foamable, and pumpable. The solution flows up a dip tube to pass smoothly through a spray or self-foaming orifice regardless of viscosity. The hydrated **ESP A+ Gel™ Powder** is non-clogging and will enhance the feel and aesthetics of your formulas. It is readily absorbed and will leave the skin soothed and refreshed.

Color & Application

ESP A+ Gel™ Powder is supplied as a light tan to tan powder that yields clear, water white to slightly yellowish solutions when mixed in water. It is compatible with most common skin or hair care actives.

This concentrated dry powder gives the formulator numerous options for use in creating both viscosity and superior skin feel in cleansers, creams, lotions, and gels.

ESP A+ Beads™

Overview

100% pure, aloe vera based **ESP A+ Beads™** are the first visible beads that are skin & residue free, sprayable, foamable and pumpable. These patent pending beads easily flow up your packaging's dip tube to pass smoothly through a spray or self-foaming orifice. **ESP A+ Beads™** are non-clogging and will never remain stranded at the bottom of your bottle. They are readily absorbed and will not leave a messy residue behind.

Composition

ESP A+ Beads™ are made from 100% pure inner leaf aloe vera and seaweed based algin. They help sooth and repair damaged skin while forming a protective barrier to help retain moisture and promote healing.

Application

In order to withstand the rigors of production mixing and filling **ESP A+ Beads™** are supplied in a semi-desiccated form packed in vegetable glycerin. Once added to your formula, they will readily rehydrate and soften in your package.

ESP A+ Beads™ are stable in water and surfactant systems, yet will disperse/disintegrate fully under shear. They atomize when sprayed and completely disperse when foamed.



Varieties

ESP A+ Gel:

Low Viscosity (LV)

Medium Viscosity (MV)

High Viscosity (HV)

ESP Organic A+ Gel:

Low Viscosity (LV)

Medium Viscosity (MV),

High Viscosity (HV)

ESP A+ Powder

ESP Organic A+ Powder

ESP A+ Beads:

Red — Gold — Green — Blue — Purple — Black — Silver — White — Clear

