

PhytoCide Aspen Bark Extract Powder

FORMULATION GUIDANCE

Manufacturing Procedure (Laboratory Scale)

EMULSION SYSTEMS:

1. Incorporate PhytoCide Aspen Bark Extract Powder into the aqueous phase of emulsions, preferably at 70°C or below.

SURFACTANT SYSTEMS:

1. PhytoCide Aspen Bark Extract Powder has compatibility in nonionic and water soluble systems.
2. If viscosity loss is experienced, a thickener should be increased or added to aid with the loss.

GEL/AQUEOUS SYSTEMS:

1. PhytoCide Aspen Bark Extract Powder has excellent compatibility in gel/ aqueous systems.

APPLICATION IDEAS:

1. PhytoCide Aspen Bark Extract Powder is suitable for O/W emulsions, W/O emulsions, and gel/aqueous systems.



FORMULATION ADVICE

Overcoming Incompatibilities

<i>USE LEVEL</i>	Our best recommendation is to start with 3.00% PhytoCide Aspen Bark Extract Powder if no other antimicrobial active or preservative system is present.
<i>COMPATIBILITY</i>	PhytoCide Aspen Bark Extract Powder is compatible with cetrimonium chloride, xanthum gum, hyaluronic acid, and up to 50% alcohol at 3%.
<i>IMPROVE CLARITY</i>	When PhytoCide Aspen Bark Extract Powder interacts with some anionic materials, haze may be observed. Add a solubilizer to improve clarity.

REGULATORY INFORMATION

PhytoCide Aspen Bark Extract Powder

Code: FSSM16002

INCI Name: Populus tremuloides Bark Extract

CAS#: 90083-05-9

EINECS#: 290-199-2

Suggested Use Levels: 0.20 - 3.00%

Solubility: 100% Water Soluble

pH Stability: 3 - 9

