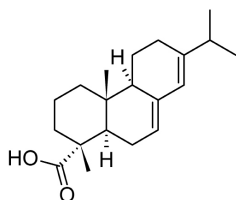


## Meristant® 101L and 101S

Meristant® 101L and 101S are naturally derived from pine gum and wood rosin. They are proven to increase water resistance in sunscreens and have the additional property of solubilizing Avobenzone and Oxybenzone. The Meristants are multi-functional materials that will decrease your inventory items, ease manufacturing processes and reduce raw material costs all without losing efficacy or aesthetics in the final formulation. The Meristants can also improve the long term stability of the emulsions thereby increasing shelf life of the final formulation.

### Characteristics of Meristant® 101L and 101S



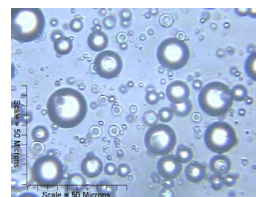
- Water Resistance
- Sunscreen Solubilizer
- Naturally Derived
- Cost Effective
- Easy to Use

### Meristant® 101L (Liquid Form) Typical Properties

INCI Name: Hydrogenated Methyl Abietate

Viscosity (Gardner-Holdt)	Z to Z4 [2,200 – 5,500 centipoise]
Color (Gardner)	4
Acid Number	6
Saponification Number	155
Refractive Index (20°C)	1.52

Meristant® 101L



### Meristant® 101S (Solid Form) Typical Properties

INCI Name: Hydrogenated Glycerol Abietate (proposed)

Softening Point (°C)	69-77
Acid Number (KOH/g)	6
Color (Gardner)	3
Specific Gravity	1.07

Meristant® 101S

