

PolyAqual™-2W is a patented O/W polyglycerol-based self-emulsifier that is all naturally derived. This emulsifier is Ecocert and Cosmos approved. PolyAqual™-2W possesses a wide range of formulation compatibility while providing a unique skin feel to emulsions. On a more functional level, PolyAqual™-2W can generate highly organized liquid crystals important to provide stability to the emulsion and to ensure compatibility with the skin. Clinically, PolyAqual™-2W was shown to prevent and repair damage caused to the skin barrier function by UV exposure.

Clinical actions

- Prevents skin barrier function damage
- Accelerates repair of compromised skin barrier function

Technical information

- Polyglyceryl-2- Stearate, Glyceryl Stearate, Stearyl Alcohol
- Naturally derived
- O/W emulsions
- Can be added to the water phase or the oil phase of an emulsion
- HLB-independent
- Electrolyte tolerant
- Forms liquid crystals
- Self-emulsifies in water forming a stable gel
- Compatible with various oils, esters and thickeners
- Recommended use level: 1-5%

Clinical actions of PolyAqual™-2W on skin barrier function

Liquid crystals

