

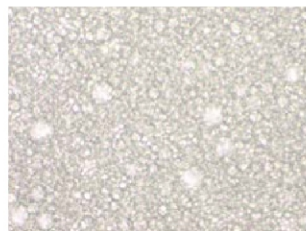
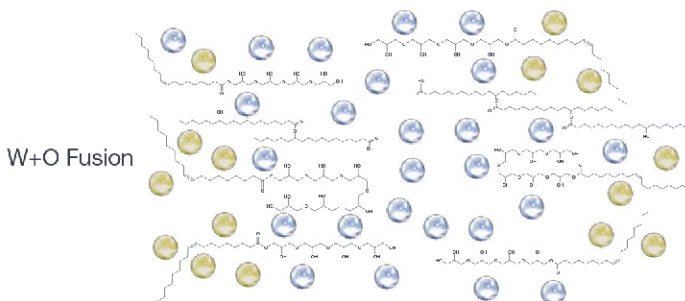
PolyAqual™-VO4 is a new, patented technology in the field of emulsions. Unlike standard emulsifiers, it literally creates a Water-and-Oil Fusion; W+O. Our W+O technology developed based on synergistic interactions between polyglyceryl derivatives of oleic acid and polyhydroxystearic acid. In addition to be completely natural as per its Cosmos certification and palm-free origin, it performs even in the presence of 100% vegetable oil. PolyAqual™-VO4 is an easily pourable liquid that allows the formation of cold-process emulsions. Its particularity to accept up to 80% of internal water phase brings full control to the viscosity of the final emulsion. It can create stable emulsions when used in a concentration as low as 2% and surpasses competition in robustness and sensoriality.

## Technical information

- INCI (proposed): Polyglyceryl-4 Oleate, Polyglyceryl-6 Oleate, Polyhydroxystearic Acid
- Viscous amber liquid
- All natural
- Cold process W+O emulsions
- Low viscosity
- Compatible with 100% vegetable oils
- Low energy systems
- Recommended use level: 2-5%
- Unique sensorial properties
- Compatible with:
  - Lipid phase with different chemistry and polarity
  - High % of internal water phase

## Applications

- Skin care
  - BB & CC creams, cushions
- Sun care
- Baby care
- Make up
- Fabric masks
- Green emulsions



Optical microscopy analysis (600X)