



**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 was developed based on synergistic interactions between polyglycerol derivatives of oleic acid and polyhydroxystearic acid. In addition to being 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 more than 80% of the 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 competitors in robustness and sensoriality. **PolyAqual™-VO4** is perfectly suited for sunscreen and makeup formulations containing powders and pigments.

## Technical information

- **INCI:** Polyglyceryl-4 Oleate, Polyglyceryl-6 Oleate, Polyhydroxystearic Acid
- Viscous amber liquid
- Cold process W+O emulsions
- Emulsion without co-emulsifier addition
- High amount of water phase (>80%)
- Compatible with 100% vegetable oils
- Compatible with oils of various polarity and chemistry
- Superior sensorial profile and elegant texture
- Dispersing properties for inorganic UV filters and pigments
- Low energy systems
- Recommended use level: 2-7%
- Wide range of pH (3-9)

## Applications

- Skin care
- Sun care
- Make-up

