

Technical Data Sheet

Product identification PolyAqual™ 2W

INCI Name *Polyglyceryl-2 Stearate (and) Glyceryl Stearate (and) Stearyl Alcohol*
 CAS [12694-22-3], [123-94-4], [112-92-5]
 EINECS 235-777-7, 204-664-4, 204-017-6

Product Properties

Description Polyglycerol-based self-emulsifying system for cosmetic O/W emulsions
 Off-white flakes

Key Features

- Non-ionic, PEG-free
- Naturally derived- Cosmos approved
- Completely self-emulsifying
- Independent of HLB
- Compatible with oils of various polarity
- Wide pH range compatibility
- Electrolyte tolerant
- Generates liquid crystal structures

Recommended use level 1 - 5 %

Solubility Soluble in alcohols and organic solvent
 Dispersible in vegetable and mineral oils, glycerin and water

Formulation procedures Can be added to either the water phase or the oil phase of an emulsion, at 75°C-80°C.

Applications Skin care, Hair care, Make up, Baby care, Green formulations

Dermatological efficacy Protects and repairs skin barrier function (TEWL)
 Restores the right balance of the cutaneous microflora

Storage

In original sealed containers, in a cool and dry place, protected from light.

Shelf Life

5 years, stored unopened in original drums. Once opened the shelf life is limited by temperature, light and exposure to air.