

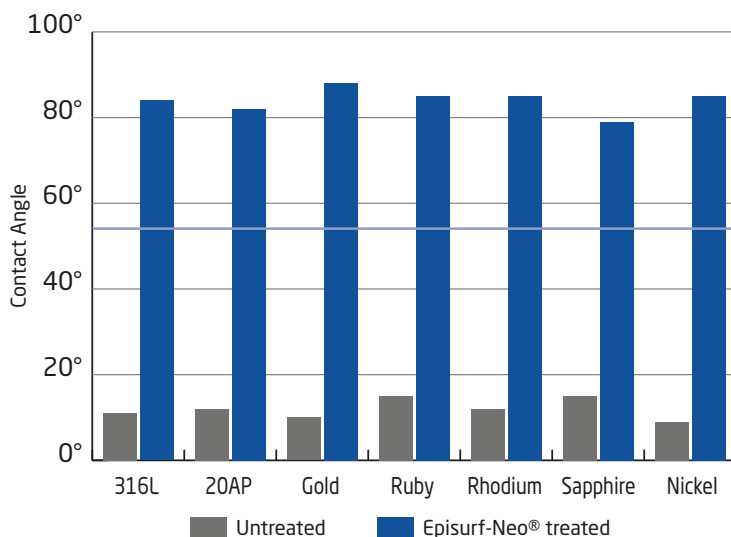
A high performance epilame agent

Episurf-Neo® is a new generation high performance epilame agent. An Epilame is a surface agent that prevents oil from spreading by reducing the surface tension of the treated material.

As compared to existing first generation epilame products that could whiten treated parts, Episurf-Neo® results in no visual modification of the parts. The product also has improved efficiency, a higher resistance to washing cycles and is an environmentally responsible product.

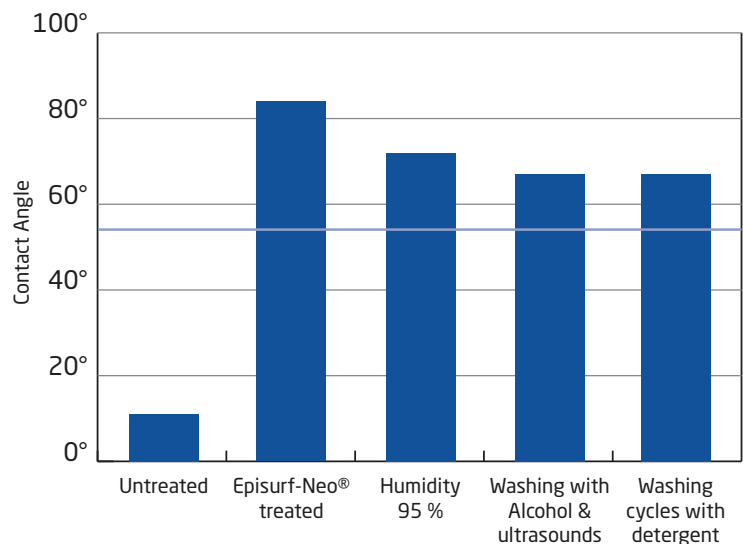
Episurf-Neo® is dedicated to serving the needs of our customers: watch manufacturers and watch repair services.

▶ MAIN PROPERTIES



Oil contact angle on different materials before and after Episurf-Neo® treatment.

Oil contact angle on a ruby treated by Episurf-Neo®, before and after different tests



Values above the blue line correspond to oleophobic surfaces with Contact Angle >55°.

TECHNICAL PROCEDURE

- Episurf-Neo® performs regardless of the washing of the watch parts before Episurf-Neo® treatment.
- The coating procedure with Episurf-Neo® includes a dipping step for 30 seconds and a drying step for less than 60 seconds at room temperature.
- Episurf-Neo® can epilate parts in bulk or individually in specific baskets or bouclards.
- The procedure can be performed manually in a container/bottle or in a washing machine (Elma, Greiner, Jema, other).

PHYSICO-CHEMICAL PROPERTIES

Surface Tension	15 +/- 2 dyn.cm ⁻¹
Aspect	Clear Colorless
Flash point	None
Boiling Point	110°C
Freezing Point	< -90°C
Density at 25°C	1.58
Ozone Depletion Potential	0
Global Warming Potential	2.5
Atmospheric lifetime	<10 days

PACKAGING INFORMATION

Stored below 30°C, Episurf-Neo® has an usable life of 24 months from date of manufacture. Precautions of use are detailed in the Material Safety Data Sheet.

Episurf-Neo® is a ready to use solution available in bottles of 50mL, 100mL, 200mL or 1L.

COMPOSITION

Episurf-Neo® is composed of a perfluoropolyether phosphonate compound in a HFO solvent, latest generation of fluorinated solvent. Episurf-Neo® is an environmentally responsible product with Ozone Depletion Potential of 0 and persistence in the air in accordance with International Regulations. Episurf-Neo® is a non flammable and non explosive product.

The compound is patented by Surfactis Technologies and is covered by patent n° WO2008017721.

