



Liveo™ Q7-9180 Silicone Fluid 1 cSt

Silicone Topical Excipients

Excipient for pharmaceutical applications

Liveo™ Q7-9180 Silicone Fluid is a clear, colourless low viscosity linear siloxane liquid.

Liveo™ Q7-9180 Fluid is commonly used as based fluid in topical formulation because of volatility, spreadability and smooth and non-greasy feel on the skin. Due to its high volatility and its anti-caking effect, the fluid can be considered as carrier for spray. Liveo™ Q7-9180 Fluid is currently used in a range of dermatological applications such as creams, gels, spray, wipes and formulation for the delivery of active. When used as an excipient in topical formulations, Liveo™ Q7-9180 Fluid can provide short term lubrication, smooth feel, emolliency, ease of spreading and reduced tackiness.

Composition:

Chemical name: Octamethyl trisiloxane.

INCI/CTFA Name: Siloxane.

CAS Number: [107-51-7].

Applications :

Areas of potential use for Liveo™ Q7-9180 encompass a wide range of skincare or topical delivery applications including: Excipient for pharmaceutical topical formulations, Carrier for actives for a spray, Skin care, Sun care.

Features are Formulation dependant and include: Highly volatile, High spreadability, Dry smooth feel, Non-greasy, Good leveling and easy rub-out, Non-stinging on skin, Non-cooling, Non-occlusive.

Packaging :

Liveo™ Q7-9180 is supplied in 170kg drums, 0.340kg bottles and 13.6kg pails.

Product information

Colour	Transparent -	
Basis	Octamethyltrisilo - xane	
Acid number	0.05 mgKOH/g	PhEur 1470
Purity	99 %	

Rheological properties

Viscosity	0.8 mPa.s
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Thermal properties

Flash point	34 °C	ASTM D 92
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Other properties

Density	820 kg/m ³	ISO 1183
Refractive index	1.384 -	
APHA colour	15 -	ASTM D 1209
Drying rate similar to	isopropanol -	

Storage and stability

Shelf life	48 months
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Additional Information

How to use

Storage :

To be stored at or below 25°C in the original unopened containers. Liveo™ Q7-9180 Silicone Fluid is highly flammable. Therefore, it must be stored in a flame proof, well-ventilated area. Keep containers tightly closed and away from heat, sparks, open flames and other source of ignition. Take precautionary measures against static discharges (grounding, use of glassware). Handle in a well-ventilated area.

How to Use:

Liveo™ Q7-9180 Silicone Fluid may be used alone or blended with other ingredients to provide a fluid base for topical pharmaceutical formulations.

Liveo™ Q7-9180 Silicone Fluid is compatible with a wide range of materials and exhibit a broad range of solubility that makes formulating relatively easy.

Chemical Media Resistance

Hydrocarbons

- ✓ n-Hexane, 23°C
- ✓ Toluene, 23°C
- ✓ iso-Octane, 23°C

Symbols used:

- ✓ possibly resistant
Defined as: Supplier has sufficient indication that contact with chemical can be potentially accepted under the intended use conditions and expected service life. Criteria for assessment have to be indicated (e.g. surface aspect, volume change, property change).
- ✗ not recommended - see explanation
Defined as: Not recommended for general use. However, short-term exposure under certain restricted conditions could be acceptable



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(e.g. fast cleaning with thorough rinsing, spills, wiping, vapor exposure).

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