



# Liveo™ TE-9721 Silicone Resin Blend

## Silicone Topical Excipients

Liveo™ TE-9721 Resin Blend is a combination of a caprylyl methicone and a silicone resin.

It has properties similar to a high viscosity polydimethylsiloxane fluid but with superior water repellency.

### COMPOSITION

- Combination of MQ silicone resin in caprylyl methicone.
- INCI name: Caprylyl Methicone and Trimethylsiloxysilicate.

### Applications, Features & Benefits:

- Liveo™ TE-9721 Resin Blend can be used in topical formulations due to its long lasting, film barrier properties, permeable and non-occlusive film property and wash off resistance combined with good compatibility with organic materials.

Such silicone resin blend is currently used:

- in a range of drug delivery topical formulations for prescription and over-the-counter therapies focusing on growth indications such as scar management protection, actinic keratosis, atopic dermatitis, psoriasis and pain management.
- in a range of dermatological consumer healthcare, medicated skin care or topical medical devices applications including protective creams, barrier creams, sticks and sprays, insect repellent products, as well as sunscreen creams and lotions

The silicone resin blend can be incorporated easily into many product forms:

- Creams for skin barrier applications or sunscreen creams
- Sprays that offer ease of application and protect the skin
- Gels for novel forms in challenging skin conditions.

### PACKAGING

This product is available in 18 kg pails and 200 kg drums. Samples are available in 500 ml bottles.

### Product information

Colour

Clear

### Rheological properties

Viscosity

50 - 200 mPa.s



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### Thermal properties

Flash point 117 °C ASTM D 92

### Storage and stability

Shelf life 24 months

### Additional information

#### How to use

Liveo™ TE-9721 Resin Blend is an easy-to-use blend of resin and caprylyl methicone. It is compatible with a range of topical formulations ingredients such as vegetable oils, sun filters and esters.

Liveo™ TE-9721 Resin Blend can be added to various anhydrous or water base formulations. It can be formulated in a hot or cold process. When preparing an emulsion, it is recommended to add Liveo™ TE-9721 in the oil phase of the emulsion.

### Chemical Media Resistance

#### Alcohols

- ✓ Isopropyl alcohol, 23°C
- ✗ Ethanol, 23°C

#### Other

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

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