



# Liveo™ TE-9720 Silicone Resin Blend

## Silicone Topical Excipients

Liveo™ TE-9720 Resin Blend

is a combination of a dimethylsiloxane polymer and a high molecular weight silicone resin.

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

### COMPOSITION

- Combination of MQ silicone resin in dimethicone.
- INCI name: Dimethicone and Trimethylsiloxysilicate.

### Applications, Features & Benefits:

- Liveo™ TE-9720 Resin Blend can be used in topical formulations due to its long lasting, permeable and non-occlusive film property and wash off resistance.

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	
Polydimethylsiloxane content	100 %	PhEur 1470



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### Rheological properties

Viscosity 400 - 700 mPa.s

### Thermal properties

Flash point 270 °C ASTM D 92

### Storage and stability

Shelf life 24 months

### Additional information

How to use Liveo™ TE-9720 Resin Blend is an easy-to-use blend of resin and dimethicone. It is compatible with a range of topical formulations ingredients.

Liveo™ TE-9720 Resin Blend can be added to various anhydrous or water based formulations. It can be formulated in a hot or cold process. When preparing an emulsion, it is recommended to add Liveo™ TE-9720 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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Page: 2 of 2

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