



Liveo™ Dimethiconol Blend 20

Silicone Topical Excipients

Excipient for pharmaceutical applications

Liveo™ Dimethiconol Blend 20 is a blend of an ultra high molecular weight hydroxyterminated polydimethylsiloxane (dimethiconol) in a low viscosity and non-volatile silicone fluid (dimethicone, 20 cSt).

Composition

INCI name: Dimethicone and Dimethiconol, CAS number: 70131-67-8 and 63148-62-9

Applications, Features & Benefits:

Liveo™ Dimethiconol Blend 20 is commonly used in pharmaceutical formulations thanks to its long lasting, film barrier and wash-off resistance properties. Such silicone gum blends are currently used in a range of dermatological and pharmaceutical applications such as protective and barrier creams, gels for scar treatment and formulations for skin and scalp treatments. Clear, Non-volatile fluid as carrier, Substantive, Non-occlusive, Film former, Long-lasting, Wash off resistance, Smooth and lubricious feel

Packaging:

Liveo™ Dimethiconol Blend 20 is available in pails and in drums. Samples for Liveo™ Dimethiconol Blend 20 are available in bottles.

Product information

Colour	Clear -	
Polydimethylsiloxane content	12 %	PhEur 1470

Rheological properties

Viscosity	387 mPa.s
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Thermal properties

Flash point	200 °C	ASTM D 92
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Other properties

Density	952 kg/m ³	ISO 1183
Refractive index	1.401 -	

Storage and stability

Shelf life	24 months
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Additional Information

How to use

Liveo™ Dimethiconol Blend 20 is an easy to use blend of dimethicone and dimethiconol. It is compatible with a range of topical excipients. Liveo™ Dimethiconol Blend 20 can be added to various anhydrous or water based formulations. Liveo™ Dimethiconol Blend 20 can be used alone or blended with other excipient to provide a fluid base for a variety of



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formulation and provide a smooth, long lasting film on skin. The presence of Liveo™ Dimethiconol Blend 20 can increase the viscosity of water-in-oil emulsions.

When preparing an emulsion containing Liveo™ Dimethiconol Blend 20, it is recommended to add the oil(s) to the silicone blend under high shear speed; the emulsion can then potentially be processed through a homogenizer to improve its stability. The blend is easily emulsified in water with standard emulsifiers and normal emulsification techniques.

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