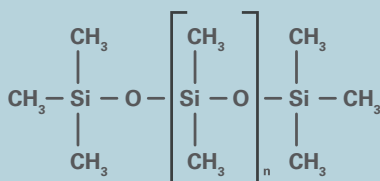


# Polydimethylsiloxane (PDMS) for different applications:

Together with our supplier DuPont we offer Polydimethylsiloxane (PDMS) for different Medical Device and Pharma applications.

## PDMS (Polydimethylsiloxane)



Silicone-based materials, as PDMS, typically have a hydrophilic, inorganic backbone consisting of Si-O-Si.

The side-groups are Methyl-groups, providing the polymer with an overall hydrophobicity which leads to water-repellent properties.

Consequently PDMS is a clear, colourless, odorless and oily liquid which is not soluble in water but in non-polar solvents.

### Increasing Regulatory Requirements & Documentation

Ingredient in  
Topical Medical  
Device Application

Excipient

Lubricant for  
Medical Device  
components



### Liveo™ Q7-9120 Silicone Fluid<sup>1</sup>

Dimethicone  
Excipient (inactive ingredient) for dermatological treatments and pharmaceutical applications.

**Available viscosities:**  
20 cSt; 100 cSt; 350 cSt; 500 cSt; 1.000 cSt; 12.500 cSt

#### Benefits:

- › Non-occlusive emollient with a smooth feeling on the skin
- › Long lasting lubrication and reduced tackiness
- › Skin protectant in accordance with FDA guidelines



### Liveo™ 360 Medical Fluid<sup>1</sup>

Silicone Oil  
Hydrophobic lubricant for medical device components (glass, metals, plastics and rubbers)

**Available viscosities:**  
20 cSt; 100 cSt; 350 cSt; 1.000 cSt; 12.500 cSt

#### Benefits:

- › low surface tension
- › high wetting/spreading capabilities to reduce friction
- › excellent biocompatibility



### Liveo™ Q7-9180 Silicone Fluid

Solvent and process aid for Liveo™ 360 Medical Fluid and carrier for sprays in dermatological treatments

**Available viscosities:** 0,65 cSt; 1 cSt

#### Benefits:

- › Highly volatile
- › Low odor compared to organic solvents
- › No cooling or stinging on skin

<sup>1</sup> EUD (end use declaration) necessary complies to applicable EP and USP/NF Monographs

## Contact:

Biesterfeld Spezialchemie GmbH  
HealthCare  
Tel. + 49 40 32008-0  
E-Mail: [healthcare@biesterfeld.com](mailto:healthcare@biesterfeld.com)

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## Disclaimer:

Our advice, information or recommendations regarding application shall be provided to the best of our knowledge. As the actual application is beyond our scope of influence, and as the circumstances of such application are not completely foreseeable, written and verbal indications, suggestions etc. can only be provided on a non-binding basis. They shall in particular not release Customer from the obligation to examine our products and goods for their suitability with regard to the intended processes and purposes.