



Silicone Based
Antifoam Solutions

Choose the right defoamer for your pharmaceutical application and formulation!

The purpose of silicone antifoams is to reduce and control foam in a variety of pharmaceutical and biopharmaceutical applications. Biesterfeld Spezialchemie GmbH offers highly effective and versatile antifoam solutions which can be used as supplied or further diluted with water.

	Antifoam Compounds		
	Liveo™ Q7-2243 LVA, Simethicone USP	Liveo™ Antifoam M Compound	Liveo™ Medical Antifoam A Compound
Description	Mixture of a low-volatile PDMS fluid and silicon dioxide	Mixture of PDMS and silicon dioxide	
Typical Applications	<ul style="list-style-type: none"> › OTC antifatulents or antigas › Foam control in medical and pharmaceutical applications › process aid for fermentation, cell culture, mixing and for container filling 	<ul style="list-style-type: none"> › OTC antifatulents or antigas › Foam control in medical and pharmaceutical applications › process aid for fermentation, cell culture, mixing and for container filling 	<ul style="list-style-type: none"> › process aid for fermentation, cell culture, mixing › process aid for container filling › foam control in blood oxygenation devices
Pharmacopeial Grade	USP/ PhEUR	PhEUR	USP
Certificate of Suitability/ CEP	✓	✓	-
API	✓ (PhEUR)	✓ (PhEUR)	-
Process Aid	✓	✓	✓
PDMS Content (%)	90.5-99	90.5-99	90.5-99
Defoaming Performance	<15 sec 20 ppm	<15 sec 20 ppm	<15 sec 20 ppm
Silicon Dioxide Content (%)	4-7	4-7	4-7
Kosher/ Halal Certified	✓	✓	✓
Appearance	Light grey liquid	Light grey liquid	Grey liquid
Viscosity cP	570	3.100	500
Simethicone Level (%)	100	100	100
Heavy Metal Content (ppm)	<5	<5	<5
Shelf Life (months)	24	18	36



Liveo™ Simethicones are suitable for critical medical applications, e.g. as process aids or active ingredients for solid and liquid dosage forms. To assure consistently high quality for use as pharmaceutical ingredients, DuPont™ Liveo™ Antifoam compounds and emulsions are manufactured at a FDA-registered production site under ICH Q7 GMP conditions.

Antifoam Emulsions	
Liveo™ Q7-2587 30% Simethicone Emulsion USP	Liveo™ Medical Antifoam C Emulsion
Water-dilutable emulsion containing 30% Simethicone USP by weight	
<div>› OTC antiflatulents or antigas</div> <div>› Foam control in medical and pharmaceutical applications</div> <div>› process aid for fermentation, cell culture, mixing and for container filling</div>	
USP	USP
-	-
-	-
✓	✓
30.4	29.4
<15 sec	<15 sec
50 ppm	50 ppm
1.2-2.1	1.2-2.1
✓	✓
Off-white liquid	Off-white liquid
31.500	1.500
30	30
<5	<5
36	48



If you have any questions, please contact us:

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