

Antifoams and antifoam emulsions





Choose the right antifoam or emulsion for your formulations



Application-based scientific know-how and regulatory expertise from DuPont™ Liveo™ helps customers deliver innovative solutions. To assure consistent quality for use as pharmaceutical ingredients, antifoam products are manufactured, packaged and tested utilizing principles of GMP guidelines for Active Pharmaceutical Ingredients (APIs).

Regulatory Status

GMP Produced per ICH Q7 Principles
Ph. Eur. (EP) Monograph for Simeticonium
USP Monograph Requirements for Simethicone USP
Certificate of Suitability/CEP
FDA Drug Master File
FDA Regulation 21 CFR 332.10 ⁵
FDA Regulation 21 CFR 173.340 ⁶

Antifoam Compounds

Liveo™ Q7-2243 LVA, Simethicone USP	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Liveo™ Antifoam M Compound	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Liveo™ Medical Antifoam A Compound	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Antifoam Emulsions

Liveo™ Q7-2587, 30% Simethicone Emulsion USP	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Liveo™ 7-9245, 30% Simethicone Emulsion USP	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Liveo™ Medical Antifoam C Emulsion	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Description	Typical Applications
Mixture of a low-volatile polydimethylsiloxane fluid and silicon dioxide	<ul style="list-style-type: none"> • Foam control in medical and pharmaceutical applications • OTC antifatulents
Mixture of polydimethylsiloxane (PDMS) fluid and silicon dioxide	
Mixture of polydimethylsiloxane (PDMS) fluid and silicon dioxide	<ul style="list-style-type: none"> • Foam control in blood oxygenation devices
Antifoam Compounds	
Water-dilutable, nonionic emulsion containing 30% low-volatile Simethicone USP by weight	<ul style="list-style-type: none"> • Foam control in medical and pharmaceutical applications • OTC antifatulents
Water-dilutable nonionic emulsion containing 30% Simethicone USP by weight	<ul style="list-style-type: none"> • Biofermentation

Typical Properties†

Property	Yes (PhEur)	%	seconds	ppm	w/w %	w/w %	%	USP/PhEur	Yes	Yes	Yes	Light grey liquid	N/A	cP	%	months
Shelf Life																
Simethicone Level																
Viscosity ³																
Based on Vegetable Surfactant																
Appearance																
Halal Certified																
Kosher Certified																
Processing Aid																
Pharmacopoeial Grade																
pH																
Silicon Dioxide Content																
Nonvolatile Content																
Volatility																
Heavy Metal Content ⁴																
Defoaming Performance																
PDMS Content																
API																

† Specifications Writers: These values are not intended for use in preparing specifications. Please contact your local DuPont sales office prior to writing specifications on these products.

¹ No Simethicone Emulsion monograph currently exists in the PhEur
² Proven historical use/registration on the European market (although no PhEur monograph exists)
³ Viscosity measurement data depend on specific testing

conditions (available upon request)
⁴ Elemental impurities data available upon request
⁵ Antifatulent active ingredients
⁶ Defoaming agents

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