

# BVI

## For Better Tolerance and Higher Safety

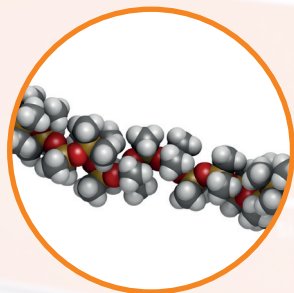
### Purified and Fractionated Silicone Oil



## ARCIOLANE 1300 ARCIOLANE 5500

## ARCIOLANE Introduction

ARCIOLANE 1300 and 5500 are medical grade purified and fractionated silicone oil for prolonged tamponade of the retina in surgical treatment of severe retinal detachment.

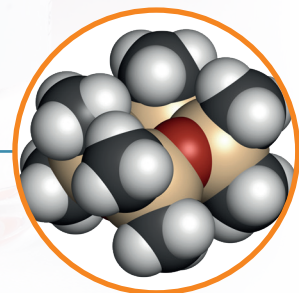


2 Viscosities	2 Presentations
ARCIOLANE 1300	VIAL / SYRINGE
ARCIOLANE 5500	

## Considerations over Silicone Oils

Presence of Low Molecular Weight Compounds (LMWC) known as D4, D5, D6, affects quality and safety profile of silicone oil, potentially causing unwanted emulsification and toxicity. Moreover accumulation of proteins, red blood cells, and plasma proteins contributes to silicone oil emulsification<sup>1</sup>.

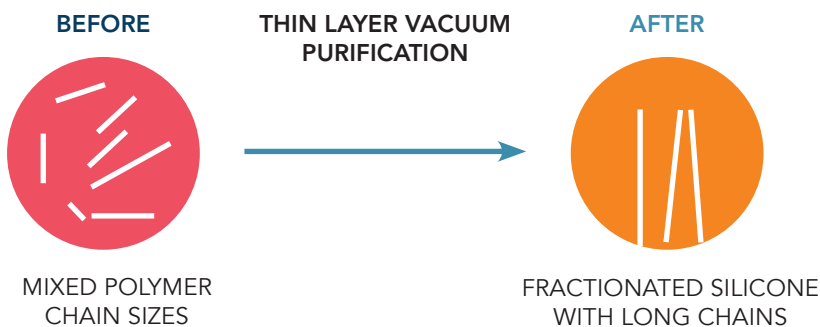
Recently the European Chemical Agency (ECHA) has proposed to include D4, D5, D6 to the list of substances of very high concern requiring special labelling when above concentration of 0.1% (w/w)<sup>2</sup>. The content of D4, D5 and D6 within ARCIOLANE is far below this value<sup>3</sup>.



D4  
(Dimethylsiloxane)<sub>4</sub>

## ARCIOLANE Advantages

Thin layer vacuum purification step in ARCIOLANE's manufacturing process is key to remove LMWC. Layer vacuum purification segregates LMWC from long chains of silicone polymers.



ARCIOLANE's change of viscosity		
BEFORE	1000 mm <sup>2</sup> /s	5000 mm <sup>2</sup> /s
AFTER (25°C)	1300 mm <sup>2</sup> /s	5500 mm <sup>2</sup> /s

1. Mendichi et al., Comparative Study of Chemical Composition, Molecular and Rheological Properties of Silicone Oil Medical Devices; Translational Vision Science & Technology September 2019; Vol.8, 9.; Issue 5; doi:<https://doi.org/10.1167/tvst.8.5.9>.  
 2. ECHA Annex XV Restriction Report - Proposal for a Restriction, version num. 1, 11 January 2019.  
 3. ERQ 10-7 & 10-8, CoA respectively for ARCIOLANE 1300 and ARCIOLANE 5500.

## ARCIOLANE's Advantages

- More than 400.000 products distributed in more than 70 countries worldwide
- Thin layer vacuum purification process
- Ophthalmic specific sterile packaging
- 3 years shelf life
- Compatible with all air pressure silicone oil injection systems
- Quality assurance system ISO 13485/2016 certified



## Ophthalmic Specific Sterile Packaging

### NO CHLOROBUTYL – NO LATEX

- Moulded glass syringe, non-silicone coated
- Stainless steel luer-lock
- Thick glass syringes
- Plunger seal and specific stopper moulded in silicone rubber
- Can be used up to 5 bar pressure. When using ARC, the pressure cannot exceed 4 bars



## Complete Choice of Air Pressure Accessories to Fit with Your Equipment





### QUICK AND EASY: INSTRUCTIONS FOR USE

Sterile set of air pressure tubing (ARC) for Arciolane silicone oil:

- Step 1** Place the stopper into the syringe
- Step 2** Insert the cap enclosing the glass flange
- Step 3** Connect the line to the equipment

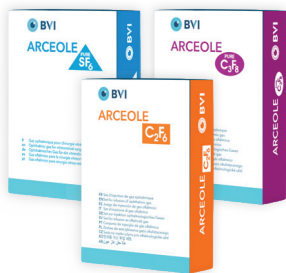
Qty: 1/Bx

Description	SKU #
ARCIOLANE 1300 vial 10 ml	201
ARCIOLANE 1300 syringe 10 ml	202
ARCIOLANE 5500 vial 10 ml	203
ARCIOLANE 5500 syringe 10 ml	204
ARCIOLANE 1300 syringe 15 ml	205

Reference	Type of Connector	Image	Compatible with*
ARC 510	Steady Male / Female Luer-lock		Premiere (Storz) - Penthasis (Ioltech) - SP3 (Oertli)
ARC 520	Rotative		Constellation (Alcon) - Accurus (Alcon) - EVA (Dorc)
ARC 530	Rotative		Millenium (B&L) Stellaris PC (B&L)
ARC 540	Steady		R-Evolution® (BVI) - R-Evo smart® (BVI) - Orbit (Oertli)

\*All product names, trademarks and registered trademarks are property of their respective owners.

## Safety First for Our Product Line



### ARCEOLE\*

Ready-to-Use Set of Ophthalmic Gas

\*New Packaging Coming Soon



### ARCALINE - ARCOTANE

Heavy Liquids for Ophthalmic Surgery



### MONOBLUE

Ultra-purified Staining Solutions



### OP'COVER

Corneal Protection



FOR COMPLETE PRODUCT INSTRUCTIONS, PLEASE REFER TO THE IFU SUPPLIED WITH THE PRODUCT

<https://www.bvimedical.com/customers-support/>