

# Isolex Polyisoprene:

Liquid Synthetic Latex Emulsion



**High-  
performance  
material**



# The need for a latex alternative

As the industry transitions away from latex, clinicians have the need for a glove that has the soft, comfortable fit and feel of latex without the danger of Type I allergic reactions.

## A history of innovation, experience and excellence

Isolex was the first polyisoprene on the market and has been made for over 25 years. Medline still employs a team of experts to create the highest quality polyisoprene in the world and ensure we will be at the forefront of the next breakthrough in surgical glove raw material.

## What is Isolex?

Isolex is Medline's proprietary formulation of polyisoprene, a raw material used to manufacture latex-free surgical gloves. Isolex is the ideal solution to bridge the gap between safety and performance in a surgical glove.



### Safety

Isolex polyisoprene is a synthetic alternative to natural rubber latex

- Reduces risk of developing Type I latex allergies
- Water-based emulsion of cis-polyisoprene
- Eliminates harmful impurities associated with latex



### Performance

Molecular structure virtually identical to natural rubber latex

- Soft, comfortable fit and feel
- Ideal for situations when exceptional tactile sensitivity is required
- Improved batch-to-batch consistency when compared with latex



### Supply Chain Control

#### Medline is with you every step of the way

Unlike anyone else in the industry, Medline is making sure surgical glove performance is the focus of raw material manufacturing. This vested interest in the finished product is unparalleled and gives the ability to provide outstanding technical support, customer service and high performing solutions.



### Automation

#### Minimising the Risk - Over 700 process parameters are analysed

- 24/7 monitoring of proprietary control system logic insures that process parameters stay within ideal ranges.
- Production reports containing pertinent information (throughput, process stream variance etc.) are automatically compiled and emailed, allowing for identification of process trends.



### Quality

#### A proprietary formulation with end user performance in mind

- Made with only the safest ingredients to reduce allergies, Isolex gloves are DPG free! DPG is a chemical needed in many polyisoprene gloves. According to recent studies, DPG is a growing cause of allergic concern as more users switch from latex to latex-free gloves.<sup>1,2</sup>
- Ideal for use with a wide variety of chemicals and bone cement.  
\*Testing available on request.
- Every lot produced undergoes rigorous quality assurance testing where properties such as tensile strength, modulus, elongation, tear, viscosity, surfactant loading and mechanical stability are analysed to demonstrate suitability of the material prior to release.

# Ordering information

Medline offers a full range of gloves made from Isolex:



| SensiCare® PI | SensiCare® PI Green | SensiCare® PI Micro | Size | Packaging           |
|---------------|---------------------|---------------------|------|---------------------|
| MSG9055       | MSG9255             | MSG9655             | 5.5  | 200 pr/cs, 50 pr/bx |
| MSG9060       | MSG9260             | MSG9660             | 6    | 200 pr/cs, 50 pr/bx |
| MSG9065       | MSG9265             | MSG9665             | 6.5  | 200 pr/cs, 50 pr/bx |
| MSG9070       | MSG9270             | MSG9670             | 7    | 200 pr/cs, 50 pr/bx |
| MSG9075       | MSG9275             | MSG9675             | 7.5  | 200 pr/cs, 50 pr/bx |
| MSG9080       | MSG9280             | MSG9680             | 8    | 200 pr/cs, 50 pr/bx |
| MSG9085       | MSG9285             | MSG9685             | 8.5  | 200 pr/cs, 50 pr/bx |
| MSG9090       | MSG9290             | MSG9690             | 9    | 200 pr/cs, 50 pr/bx |

For more information on our products, please contact your Medline account manager or visit us at: [uk.medline.eu](http://uk.medline.eu)



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1. Allergic Contact Dermatitis to Synthetic Rubber Gloves Changing Trends in Patch Test Reactions to Accelerators Lauren Y. Cao, BS; James S. Taylor, MD; Apra Sood, MD; Debora Murray, LPN; Paul D. Siegel, PhD
2. Occupational allergic contact dermatitis caused by sterile non-latex protective gloves: clinical investigation and chemical analyses Ann Pontén<sup>1</sup>, Nils Hamnerius<sup>1</sup>, Magnus Bruze<sup>1</sup>, Christer Hansson<sup>2</sup>, Christina Persson<sup>2</sup>, Cecilia Svedman<sup>1</sup>, Kirsten Thorneby Andersson<sup>3</sup> and Olof Bergendorff<sup>2</sup> <sup>1</sup>Department of Occupational and Environmental Dermatology, Lund University, Skåne University Hospital, SE-205 02 Malmö, Sweden, <sup>2</sup>Department of Dermatology, Skåne University Hospital, SE-221 85 Lund, Sweden, and <sup>3</sup>Department of Dermatology, Central Hospital, SE-291 85 Kristianstad, Sweden

Surgical gloves are class IIa sterile medical devices intended to be used by healthcare professionals. Before use, consult instructions and precautions on the corresponding labelling.



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