

# Isolex Polyisoprene:

Liquid synthetic latex emulsion



**Material  
designed  
for high  
performance**



# The need for an alternative to latex

As the industry transitions away from latex-based products, clinicians have the need for gloves that have the soft, comfortable fit and feel of latex, without the risk of developing 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

- Helps lower the risk of developing Type I latex allergies
- Water-based emulsion of cis-polyisoprene
- Designed to eliminate harmful impurities associated with latex



## Performance

Molecular structure virtually identical to natural rubber latex

- Designed for a soft, comfortable fit and feel
- Designed to be ideal for use in 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

Medline ensures surgical glove performance is the focus of raw material manufacturing. This vested interest in the finished product gives us 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 ensures 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 help lower the risk of allergies, Isolex gloves are free of diphenylguanidine (DPG)! 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>
- Designed to be ideal for use with a wide variety of chemicals and bone cement.  
\*Testing available on request.
- Every produced lot undergoes rigorous quality assurance testing, where properties, such as tensile strength, modulus, elongation, tear, viscosity, surfactant loading and mechanical stability, are analysed to demonstrate the 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 |

**Learn more.** Contact your Medline account manager or visit us at: [www.medline.eu/uk](http://www.medline.eu/uk)



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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 Bruzel, Christer Hansson<sup>2</sup>, Christina Persson<sup>2</sup>, Cecilia Svedman<sup>1</sup>, Kirsten Thörnby Andersson<sup>3</sup> and Ola 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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