

## Problems Facing Disposable Glove Users



### Hand Fatigue is a Serious Issue

Prolonged muscle effort over longer periods of time can cause hand fatigue, which has been associated with Carpal Tunnel Syndrome, as well as other hand injuries. These conditions are serious, painful and can reduce productivity, especially for dentists and hygienists whose job makes wearing disposable exam gloves an essential requirement.

### The Solution is Ergonomic Gloves

In a comprehensive study by the industry leader in ergonomic testing and certifications, certified Microflex gloves markedly reduced muscle effort when performing test manipulations as compared to a leading competitor's gloves. These gloves even outperformed bare-hand manipulations, reducing muscle effort in comparison to not wearing gloves. The reduced effort decreases the chances of related pain and injuries.

### What Does Ergonomic Certification Mean?

According to U.S. Ergonomics, "A product that has received certification provides measurable ergonomic benefits to the anticipated users by improving comfort and fit and by minimizing the risk factors that may contribute to the development of ergonomic injuries."



U.S. Ergonomics' approach to workplace ergonomics focuses on achieving sustainable gains in productivity while reducing the ergonomic risks and ensuring employee health and safety. They maintain a state-of-the-art ergonomics laboratory to conduct ergonomic product testing and ergonomics product certification. A product that is truly ergonomic will provide measurable advantages to user comfort, fit and performance while reducing the ergonomics risks factors.

## CERTIFIED ERGONOMIC GLOVES



### ▲ MICROFLEX® XCEED®

#### POWDER-FREE NITRILE EXAM GLOVES

9.5" length • 4.3 mil finger • 2.4 mil cuff

- The first certified ergonomic exam glove
- Smart packaged with 250 gloves per box
- Lowest pinhole rates (AQL 0.65) sets a new standard for protection

**CUSTOMER SEGMENT:** Laboratory, Light Manufacturing/Assembly, Food Processing, Pharmaceutical

SIZE	PART #
XS	1220U55
S	1220U56
M	1220U57
L	1220U58
XL	1220U59



### ▲ MICROFLEX® NEOGARD®

#### POWDER-FREE NEOPRENE EXAM GLOVES

9.6" length • 5.1 mil finger • 2.8 mil cuff

- Highly comfortable with exceptional tactile sensitivity
- Advanced formulation delivers excellent wet and dry grip
- Polymer-coated for easy donning, especially on damp hands

**CUSTOMER SEGMENT:** Laboratory, Education/Research, Pharmaceutical, Biotechnology

SIZE	PART #
S	1215N20
M	1215N21
L	1215N22
XL	1215N23



### ▲ MICROFLEX® ULTRASENSE®

#### POWDER-FREE NITRILE EXAM GLOVES

9.6" length • 4.3 mil finger • 2.8 mil cuff

- Excellent sensitivity when handling small parts or instruments
- Non-stick properties resists tape and adhesives
- Polymer-coated for easy donning

SIZE	PART #
XS	1233X44
S	1233X46
M	1233X48
L	1233X50
XL	1233X52

**CUSTOMER SEGMENT:** Laboratory, Light Manufacturing/Assembly, Food Processing, Pharmaceutical



### ▲ MICROFLEX® MIDKNIGHT®

#### POWDER-FREE NITRILE EXAM GLOVES

9.6" length • 5.5 mil finger • 3.1 mil cuff

- Distinctive black color to mask stains
- Excellent choice for wet environments
- Fully textured for firm and consistent grip

SIZE	PART #
XS	1229F24
S	1229F25
M	1229F26
L	1229F27
XL	1229F28
XXL	1229F29

**CUSTOMER SEGMENT:** Agriculture, Laboratory, Biotechnology, Education/Research



### ▲ MICROFLEX® FREEFORM® SE

#### POWDER-FREE NITRILE EXAM GLOVES

9.6" length • 5.1 mil finger • 2.8 mil cuff

- Best for light to mid-duty tasks that need reliable protection
- Non-stick properties resists tape and adhesives
- Textured fingertips for enhanced grip

SIZE	PART #
XS	5762E40
S	5762E42
M	5762E44
L	5762E46
XL	5762E48

**CUSTOMER SEGMENT:** Agriculture, Laboratory, Biotechnology, Education/Research



### ▲ MICROFLEX® SUPRENO® SE

#### POWDER-FREE NITRILE EXAM GLOVES

9.6" length • 7.1 mil finger • 3.5 mil cuff

- Lowest pinhole rates (AQL 0.65) sets a new standard for protection
- Provides durable, heavy-duty coverage
- Non-stick properties resist tape and adhesives

SIZE	PART #
XS	5761Q31
S	5761Q35
M	5761Q39
L	5761Q43
XL	5761Q47

**CUSTOMER SEGMENT:** Laboratory, Manufacturing/Assembly, Food Processing, Education/Research



### ▲ MICROFLEX® SUPRENO® EC

#### POWDER-FREE EXTENDED CUFF NITRILE EXAM GLOVES

11.6" length • 7.9 mil finger • 4.3 mil cuff

- Meets or exceeds NFPA standards
- Lowest pinhole rates (AQL 0.65) set a new standard for protection
- Textured fingertips for enhanced grip

SIZE	PART #
S	1233K43
M	1233K45
L	1233K47
XL	1233K49
XXL	1233K51

**CUSTOMER SEGMENT:** Laboratory, Manufacturing/Assembly, Food Processing, Biotechnology



### ▲ MICROFLEX® NEOPRO®

#### POWDER-FREE NEOPRENE EXAM GLOVES

9.6" length • 6.7 mil finger • 4.3 mil cuff

- Provides enhanced protection against a broad chemical array
- Tested for use with chemotherapy drugs
- Ideal for use in wet environments

SIZE	PART #
XS	5762E51
S	5762E55
M	5762E59
L	5762E63
XL	5762E67

**CUSTOMER SEGMENT:** Laboratory, Education/Research, Pharmaceutical



### ▲ MICROFLEX® NEOPRO® EC

#### POWDER-FREE EXTENDED CUFF NEOPRENE EXAM GLOVES

11.4" length • 8.3 mil finger • 4.7 mil cuff

- Meets or exceeds NFPA standards
- Ideal for use in wet environments
- Excellent puncture resistance

SIZE	PART #
S	1234Z34
M	1234Z36
L	1234Z38
XL	1234Z40
XXL	1234Z42

**CUSTOMER SEGMENT:** Laboratory, Education/Research, Pharmaceutical



### ▲ MICROFLEX® DIAMOND GRIP PLUS™

#### POWDER-FREE LATEX EXAM GLOVES

9.6" length • 6.3 mil finger • 3.9 mil cuff

- Comfortable fit and easy to slip on
- Superior tactile sensitivity
- Consistent, secure grip in all conditions

**CUSTOMER SEGMENT:** Agriculture, Laboratory, Biotechnology, Education/Research

SIZE	PART #
XS	5762E20
S	5762E24
M	5762E28
L	5762E32
XL	5762E36



### ▲ MICROFLEX® COMFORTGRIP®

#### POWDER-FREE LATEX EXAM GLOVES

9.6" length • 5.9 mil finger • 3.9 mil cuff

- A great value in a latex glove
- Secure grip
- Comfortable for everyday use

**CUSTOMER SEGMENT:** Agriculture, Laboratory, Biotechnology, Education/Research

SIZE	PART #
XS	1233Z50
S	1233Z52
M	1233Z54
L	1233Z56
XL	1233Z58



### ▲ MICROFLEX® DIAMOND GRIP™

#### POWDER-FREE LATEX EXAM GLOVES

9.6" length • 7.9 mil finger • 5.1 mil cuff

- Unique design prevents ripping and tearing
- Enhanced, textured fingertips for added protection and function
- Ideal for rugged tasks in mid to heavy-duty environments

**CUSTOMER SEGMENT:** Laboratory, Manufacturing/Assembly, Food Processing, Education/Research

SIZE	PART #
XS	5762C48
S	5762C50
M	5762C55
L	5762C60
XL	5762C65



### ▲ MICROFLEX® EVOLUTION ONE®

#### POWDER-FREE LATEX EXAM GLOVES

9.6" length • 5.9 mil finger • 3.9 mil cuff

- Best premium latex offering
- Maximum comfort allows for extended wear
- Slip on easily in wet or dry conditions

**CUSTOMER SEGMENT:** Laboratory, Manufacturing/Assembly, Food Processing, Education/Research

SIZE	PART #
XS	5762C84
S	5762C88
M	5762C91
L	5762C94
XL	5762C97



### ▲ MICROFLEX® SAFETY SERIES VINYL

#### POWDER-FREE INDUSTRIAL-GRADE VINYL GLOVES

9.5" length • 5.1 mil finger • 2.4 mil cuff

- Ideal for general purpose use and food handling
- Smooth finish for a more natural fit

**CUSTOMER SEGMENT:** Light Janitorial, Light Maintenance, Light Food Processing

SIZE	PART #
S	1205W40
M	1205W41
L	1205W42
XL	1205W43
XXL	1205W44



### ▲ MICROFLEX® DERMA FREE®

#### POWDER-FREE VINYL EXAM GLOVES

9.3" length • 3.5 mil finger • 3.1 mil cuff

- 100 % synthetic with a thicker design
- Smooth surface provides a more natural feel
- Produced without the use of DEHP

**CUSTOMER SEGMENT:** Janitorial, Maintenance, Light Food Processing

SIZE	PART #
S	5762D50
M	5762D55
L	5762D60
XL	5762D65



### ▲ HIGH FIVE® ALOE FLEX®

#### POWDER-FREE INDUSTRIAL-GRADE VINYL GLOVES

9.6" length • 5.5 mil finger • 3.1 mil cuff

- Aloe coating helps prevent hands from drying, cracking and chapping
- Perfect for extended wear
- Great for use in general purpose areas

**CUSTOMER SEGMENT:** Janitorial, Maintenance, Light Food Processing

SIZE	PART #
S	1204L94
M	1204L95
L	1204L96
XL	1204L97

## PROPER GLOVE DONNING AND DOFFING TECHNIQUES

### Donning Gloves

Before donning, find a glove that fits your hand and is suitable for the task you are performing. Use the Microflex® Glove Sizing Ruler and instructions to find our recommendation for the proper size glove to wear. If you are working with potential chemical, temperature or biological hazards, make sure your gloves are suited to and rated for these hazards. Prior to donning a glove, inspect it to ensure it is free of any rips, tears, holes, or other defects that could compromise its barrier protection.

#### General steps for donning a glove:

- Remove jewelry or watches from the fingers and wrists
- Wash your hands before handling the gloves
- Do not apply hand lotion that contains petroleum products as this can accelerate the deterioration process
- Pick up the glove at the cuff and slide one of your hands into the opening of the glove
- As you slide your hand into the cuff, spread your fingers so that they line up with the proper finger holes
- Slide your fingers in until they reach the tips of the glove (you may have to gently stretch the palm side of the glove to line up the glove fingertips with the tips of your fingers)
- Smooth or roll down the cuff over your wrist
- Pick up the second glove with your gloved hand
- Slide your hand into the opening and line up your fingers with the proper finger holes as outlined above
- Push your fingers through until they reach the tip of the glove, tugging gently on the cuff or palm to adjust the fit
- Smooth the cuff down over your wrist and you are ready to begin your work

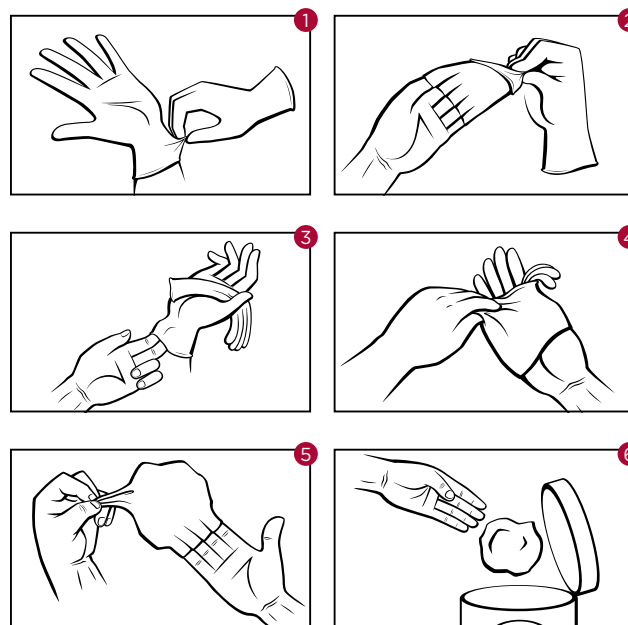
When you are finished with a task or if the glove has become soiled, torn or otherwise damaged, replace the glove immediately.

### Doffing Gloves

When doffing a glove avoid the outside surface of the glove as it could be contaminated.

#### General steps for doffing a glove:

- Grasp the cuff or pinch the palm of one gloved hand with the other.
- Gently peel away the glove away from the hand down towards the fingers turning the glove inside out as you pull.
- Hold the removed glove in the gloved hand.
- Slide two ungloved fingers under the cuff of the glove without touching the outside of the glove.
- Peel off the glove from the inside down the hand towards the fingers turning the glove inside out as you pull.
- When you get to the end where your fingers are holding the first glove, let go of the glove as you pull the second one off and trap the first glove in the “bag” of the second.
- Grasp gloves which are now inside out and discard in the appropriate waste container.
- Wash your hands thoroughly.



#### Sources:

<http://www.wikihow.com/Put-a-Glove-On>

<http://ehs.uky.edu/ohs/gloveuse.html>

<http://www.ab.ust.hk/hseo/5ftywise/200303/page3.htm>

<http://www.cdc.gov/ncidod/sars/pdf/ppeposter1322.pdf>