

# 

PROTECTING PEOPLE, PRODUCTS & PROCESSES WORLDWIDE™

# Quality you expect. Reliability you can count on. Performance you require.



Founded in 1974, QRP, Incorporated is recognized worldwide as a leading producer and innovator of gloves and fingercots in a wide variety of applications. The Company emphasizes products for critical environments, including cleanrooms and ESD control. QRP has developed unique products for protection of employees against thermal extremes and against a wide array of chemicals. In addition to these highly specialized gloves and fingercots, QRP offers products for controlled environments and general use. All QRP products are engineered to the highest standards to increase process yields across a broad range of end uses.

www.QRPGloves.com

QRP adheres to all recommended requirements in the manufacturing of our gloves and fingercots:

# Governmental

FED-STD-209E Fed Test Method 101C Fed Test Method 191 Fed Spec A-A-50855A Fed Spec A-A-53134A Cal OSHA Title 8, Art. 10.1

# <u>Military</u>

MIL-HDBK-263B MIL-G-82242C MIL-STD-168B MIL-STD-1246C

# **Nongovernmental** ANSI/ASQC-Z1.4

ANSI/ESD SP15.1

D130, D257, D412, D573, D882, D991, D1353, D2420,

D3577, D3578, D3572,

D3772, D5250, D6319,

E595, F311, F312, F739 Title 21 CFR 170 -199

IEST-RP-CC005

**NSF P155** 

ESD STM 11.11, 12

US Pharmacopoeia Nat.

Formulary XX and XXI







**GENERAL PURPOSE** 

CLEANROOM

KNIT

**ESD & CHEMICAL INFO** 

3-6

7-10

11-13

14-15

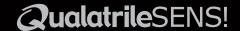




GENERAL PURPOSE APPLICATIONS









# Biotek® **Premium Latex Glove**

- Lightly powdered or powder-free for wearer comfort.
- Textured for enhanced wet/dry grip.
- USDA compliant for food handling and processing.
- Non-slip beaded cuff for easy donning; resists rolldown.
- Safety exceeds ASTM D-3578.

609BP (Low Powder) Size: S-XL 9" Length, Ambi

609BPF (Powder-Free) Size: XS-XXL 9" Length, Ambi



Qualatrile® Blue 4 mil **Premium Nitrile Glove** 

- 3X puncture resistance of vinyl or natural rubber latex gloves.
- Naturally Anti-static, surface resistance 109 ohms.
- Geogrip 360sm fully textured fingers and palms.
- Meets ASTM D6319.

4BQF09 (9" Blue, 4 mil, Powder-Free) Size: XS-XXL, Ambi



**Qualatex® Miracle Grip Polymer Coated Latex Glove** 

- Double polymer coated.
- 6 mil powder-free latex.
- Textured fingers and palm for enhanced wet/dry grip.
- Non-slip beaded cuff.
- Non-sterile.

# MG09

Size: XS-XL 9" Length, Ambi



**Qualatex® Miracle Grip HP** High Performance Latex Glove

- Tough 13 mil thickness & 12" length for added protection
- More Cut/Puncture Resistant than normal 6 mil gloves.
- Textured fingers & palm.
- Non-slip beaded cuff.
- Strong & flexible.
- Maximum comfort.
- Distinctive blue color.

Size: S-XXL 12" Length, Ambi



- 3X puncture resistance of vinyl or
- Naturally Anti-static, surface resistance 10<sup>9</sup> ohms.
- Geogrip 360sm fully textured

BQP09 (9" Blue, 5 mil, Low Powder) Size: XS-XXL, Ambi



Qualatrile® Blue 8 mil Extra Thick Nitrile Glove

- Rugged 8 mil thickness.
- 3X puncture resistance of vinyl or natural rubber latex gloves.
- Naturally Anti-static, surface resistance 109 ohms.
- Geogrip 360sm fully textured fingers and palms.
- Meets ASTM D6319.

8BQP09 (9" Blue, 8 mil, Low Powder) Size: S-XL, Ambi

8BQF09 (9" Blue, 8 mil, Powder-Free) Size: S-XXL, Ambi



Qualatex® Indy **Latex Glove** 

- 4 mil
- Unique fit and feel.
- Wide range chemical protection.
- Beaded cuff.
- Geared for industrial, automotive and food service.
- Economical.
- Natural color.

609BYF (Powder-Free) Size: S-XL 9" Length, Ambi



QualaSheer® FG Vinyl Glove

- 4 mil
- Food Grade.
- Certified under NSF protocol P 155, disposable food contact gloves, to meet FDA requirements for food handling.
- Naturally Anti-static, surface resistance 10<sup>10</sup> ohms.
- Beaded cuff.
- Economical.
- Clear color.

VCYF09 (Powder-Free) VCYP09 (Powdered) Size: S-XL 9" Length, Ambi



# Qualatrile® Indy **Nitrile Glove**

- 4 mil 3X puncture resistance of vinyl or natural rubber latex gloves.
- Naturally Anti-static, surface resistance 109 ohms.
- Tough industrial grade.
- Economical protection from chemicals and petroleum.
- USDA compliant for food handling and processing.
- Distinctive blue color.

**BQY09 (Powder-Free)** Size: S-XXL 9" Length, Ambi





Qualatrile® Blue 5 mil **Premium Nitrile Glove** 

- natural rubber latex gloves.
- fingers and palms.
- Meets ASTM D6319.

BQF09 (9" Blue, 5 mil, Powder-Free) BQF12 (12" Blue, 5 mil, Powder-Free)



# QualatrileSENS! 3 mil **Soft Nitrile Glove**

- Latex-free, powder-free.
- Exceptional tactile sensitivity with the toughness, durability and chemical resistance of nitrile.
- Naturally Anti-static, surface resistance 109 ohms.
- Uniquely conforms to the wearer's hand.
- Textured fingertips, for reliable, safe, secure wet/dry grip.

SQWF09 (White) SQBF09 (Blue) SQWB09 (White Bagged) Size: S-XL 9" Length, Ambi

# **Qualatex® Qualatrile®** Latex Fingercots **Nitrile Fingercot** ■ For general, personal and product ■ Excellent tactile sensitivity. protection. Washed. Sheer film for maximum dexterity. Anti-static. Economical. Skin thin. For industrial use only! Economical. ■ For industrial use only! 2C (Low Powder, Textured, Natural Color) 5J (Powder-Free, Natural Color) 9J (Powder-Free) 7J (Powder-Free, Pink, Anti-static) Size: S-XL 8J (Powder-Free, Black, Static Dissipative) Size: S-XL



# **Blü Food** Latex Fingercot

- 100% natural latex, USDA compliant blue coloring.
- For food & poultry handling.
- Meets US Government 21-CFR specifications.
- Skin thin.

BF (Powder-Free) Size: S-XL

CLEANROOMS QRP adheres to all requirements of IEST-RP-CC005.2, Recommended Practice for Gloves and Fingercots Used in Cleanrooms and Other Controlled Environments.



**Q**ualatrile.XC

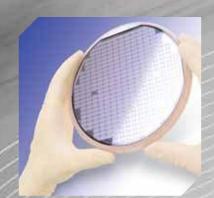
**Q**ualatex:XC

**Qualatex** HIPROXC

<u>QualaSheerXC</u>

PolyTuff Performance Gloves

Qualatherm THERMAL PROTECTION



# Qualatex® HiPro XC Class 100 Latex Glove

- Premium natural rubber latex gloves for ISO 5 (Class 100) applications.
- Lowest extractibles and particulates.
- Free from plasticizers, silicone and powders.
- Meets or exceeds all applicable requirements of IEST-RP-CC005.2.

Size: S-XXL 12" Length, Ambi



**Qualatrile® XC White** Class 100 Nitrile Glove

- 100% nitrile (no latex) for ISO 5 (Class 100) applications.
- Naturally anti-static 10<sup>9</sup> ohms.
- Manufactured without plasticizers, silicone or powders.
- Consistently low particulates and extractible ion levels.
- Meets or exceeds all applicable requirements of IEST-RP-CC005.2.

# Q095

Size: S-XL 9" Length, Ambi



**PolyTuff® Solvent Series** Polyurethane Glove

- Packaged for ISO 5 (Class 100) applications.
- Protection from chlorinated solvents (MeCL and TCE), acetone, xylene, freons and IPA.
- Tough, chemical & solvent resistant polyurethane, sulfur-free.
- Ergonomic Comfort Curve<sup>™</sup> hand specific design.

20G (8 mil)

S-XL 12" Length



# QualaSheer® XC Class 100 Vinyl Glove

- 100% PVC co-polymer (no latex) for ISO 5 (Class 100) applications.
- Naturally anti-static 10<sup>10</sup> ohms.
- Microtextured.
- Meets or exceeds all applicable requirements of IEST-RP-CC005.2.

# VHC12

Size: S-XL 12" Length, Ambi



**PolyTuff® Anti-Static** 

■ Packaged for ISO 5 (Class 100) applications.

Polyurethane Glove

- Anti-static 10<sup>9</sup> ohms per square surface unit.
- Resists common solvents such as MeCl, TCE and IPA.
- ESD safe for Class II devices.
- Ergonomic Comfort Curve<sup>™</sup> hand specific design.

25G (4 mil)

Size: S-L 12" Length



**PolyTuff® Static Dissipative** Polyurethane Glove

- Packaged for ISO 5 (Class 100) applications.
- Static dissipative 10<sup>6</sup> ohms per square surface unit.
- ESD-safe for Class I and II devices.
- Tough solvent process polyurethane, sulfur-free - no carbon shedding.
- Ergonomic Comfort Curve<sup>™</sup> hand specific design.

27G (4 mil)

Size: S-L 12" Length

28G (8 mil)

Size: S-L 12" Length



PolyTuff® Acid & Alkali CSM Glove

- Packaged for ISO 5 (Class 100) applications.
- Engineered for corrosive alkalis and ultra-strong acids using CSM, sulfur-free.
- Flexible for long wearing comfort.
- Handling for wet or dry environments.

# 41G

Size: Universal Large Only 14" Length Hand Specific



**PolyTuff® Superior Solvent** Silicon Elastomer Glove

- Packaged for ISO 5 (Class 100) applications.
- For industrial use with silicon-based adhesives and harsh solvents such as DMF, THF, cyclohexanone and ketones.
- Silicon elastomer formulation withstands flaking, puncture and abrasion.

### 90G

Size: Universal Large Only 12" Length Hand Specific



Qualatex® XC Natural Latex Fingercot

- Packaged for ISO 5 (Class 100) applications. Compliant with ASTM and IEST-RP-CC 005.3 standards.
- Eliminates contamination risks from silicone oils, skin salts, particulates and plasticizers.
- Packaged in gas-impermeable film flushed with semiconductor grade N2.
- Unique, Stand-Up pouch easy product identification.

# 5C (Powder-Free)

Size: S-XXL



**Qualatex® XC Anti-Static** Pink Latex Fingercot

- Packaged for ISO 5 (Class 100) applications. Compliant with ASTM and IEST-RP-CC 005.3 standards.
- Average surface resistance of 5x10<sup>10</sup> ohms per square unit.
- For use with Class II static sensitive devices (thresholds above 1000V).
- Packaged in gas-impermeable film flushed with semiconductor grade N2.
- Unique, Stand-Up pouch easy product identification.

7C (Powder-Free) Size: S-XXL



**Qualatex® XC Static Dissipative Black Latex Fingercot** 

- Packaged for ISO 5 (Class 100) applications. Compliant with ASTM
- Average surface resistance of 10<sup>7</sup> ohms per square surface unit.

and IEST-RP-CC 005.3 standards.

- For use with Class I and Class II static sensitive devices.
- Packaged in gas-impermeable film flushed with semiconductor grade N2.
- Unique, Stand-Up pouch easy product identification.

8C (Powder-Free) Size: S-XXL



**Qualatrile® XC Anti-Static** White Nitrile Fingercot

- Packaged for ISO 5 (Class 100) applications.
- Average surface resistance of 5x109 ohms per square unit.
- For use with Class II static sensitive devices (thresholds above 1000V).
- Packaged in gas-impermeable film flushed with semiconductor grade N2.
- Unique, Stand-Up pouch easy product identification.

9C (Powder-Free) Size: S-XL



Qualatherm® 1400
Dry Thermal Protection

- Packaged for ISO 5 (Class 100).
- Dry contact temperatures from 210°F to 1400°F (-134°C to 760°C) with no charring, ash or residue.
- ESD protection static dissipative 10°.
- No PCB, asbestos or fiberglass.

50G – 14" (Forearm Protection) Size: M, L, XL

55G – 18" (Elbow Protection) Size: Universal Large Only

**57G – 27" (Shoulder Protection)** *Size: Universal Large Only* 



**Qualatherm® 1000**Dry Thermal Protection

- Packaged for ISO 5 (Class 100).
- Dry contact temperatures from 210°F to 1000°F (-134°C to 537°C) with no charring, ash or residue.
- No PCB, asbestos or fiberglass.

**59G (Forearm Protection)** *Size: L, XL* 14" Length



Qualatherm® 450 Wet / Dry Thermal Protection

- Packaged for ISO 5 (Class 100).
- Wet or dry contact temperatures from 78°F to 450°F (-61.4°C to 232°C).
- PolyTuff silicone elastomer is sulfurfree. Excellent resistance to chemicals, solder and fluxes.

**70G – 12" (Wrist Protection)** *Size: Hand Specific – M, L, XL* 

**73G – 10" (Mitt Style Hand Protection)** *Size: Ambidextrous – One size fits all* 

**75G – 23" (Elbow Protection)**Size: Hand Specific – One size fits all



**Dry Box Gloves** *Full Length Gloves* 

- Standard 8" plus 6" & 10" ports;32" length.
- Thicknesses: 15 to 30 mils.
- Hand-specific or ambidextrous.
- Beaded cuffs for added strength.
- Hand sizes: 7, 8, 9,10.

DBG – NR (Natural Rubber)
DBG – BT (Butyl) (also ESD)
DBG – NE (Chloropreps) (also

DBG – NE (Chloroprene) (also ESD)

DBG – HY (CSM)

DBG – PHY (PU-CSM)

**DBG – PU (Polyurethane)** 



Isolators
Gloves/Sleeves

- 13" glove (15 mil to 30 mil thickness) + 24" sleeve.
- Economical alternative to one piece dry box gloves – usually only glove needs to be replaced.
- Glove & sleeve can be different materials.
- Port sizes: 6", 8" 10"; gloves ambi, sizes 5-10.

GLOVES SLEEVES

IG – BT SL – BT (Butyl) (also ESD)

IG – NE SL – NE (Chloroprene) (also ESD)

IG – HY SL – HY (CSM)

IG – PHY SL – PHY (PU-CSM)

IG – PU SL – PU (Polyurethane)









# GENERAL PURPOSE KNITS



# Qualakote® NY Nylon / PU Palm Dipped

- Comfortable seamless nylon knit.
- Micro-foamed polyurethane palm dipped.
- Breathable, knitted seamless comfort.
- Washable for economy of reuse.

PDNY (White)
PDGNY (Gray)
PPDBNY (Black)
Size: S-XXL



Qualakote® NY Nylon / Nitrile Palm Dipped

- Assembly-Inspection glove.
- Comfortable nylon knit.
- Micro-foamed nitrile palm dipped.
- Breathable, seamless comfort.
- Washable for economy of reuse.

NPDNY (White)
Size: S-XL

SIZE. J-AL

PDBNY (Black)
Size: S-XXL



Little Red Gripper
Nylon / Grippy Nitrile Palm

- Nitrile foam coated palm & fingers.
- Seamless knit shell for maximum comfort.
- Great tactile sensitivity
- Great replacement for leather gloves.
- Machine washable for repeated use.
- Non-marking & non-linting.

GNRN





# **Qualakote<sup>®</sup> ESD** *Nylon / Carbon / PU Fingers*

- Micro-foamed polyurethane finger tip coating for excellent grip.
- Nylon + conductive carbon/nylon yarn.
- Spandex cuff no latex.
- Maximum uncoated area, seamless knit, for breathability, comfort.
- Human Body Model ANSI/ESD SP15.1
   CAFÉ resistance: 10<sup>7</sup> uncoated area;
   10<sup>8-9</sup> coated area.
- Machine washable for economy of repeated use.

TDESDNY

Size: XS-XXL



# Qualakote® NY ESD Nylon / Carbon / PU Palm Dipped

- Micro-foamed polyurethane palm coating for excellent grip.
- Nylon + conductive carbon/nylon yarn.
- Uncoated back, seamless knit, for breathability, comfort.
- Human Body Model ANSI/ESD SP15.1
   CAFÉ resistance: 10<sup>7</sup> uncoated area;
   10<sup>8-9</sup> coated area.
- Machine washable for economy of repeated use.

PDESDNY

Size: S-XXL



# Qualakote® ESD Wave Solder Glove

- Extra thick for thermal protection.
- Nylon + conductive carbon/nylon yarn.
- Nitrile foamed palm dip for extra toughness.
- Seamless knit, open back.
- Human Body Model ANSI/ESD SP15.1
   CAFÉ resistance: 10<sup>7</sup> uncoated area;
   10<sup>8-9</sup> coated area.
- Machine washable for economy of repeated use.

PDWS (Low Heat)
Size: XS-XXL

HWS (Medium Heat)
Size: S-XXL



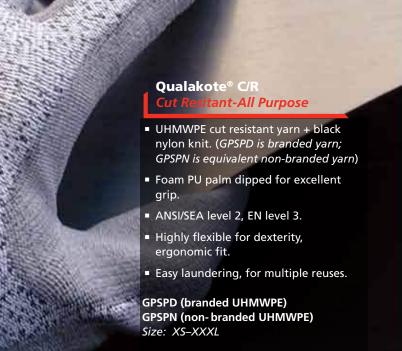
# Qualaknit® ESD Nylon / Carbon Uncoated

- Nylon + conductive carbon/nylon yarn.
- Micro-knit fingertips for maximum dexterity.
- Uncoated glove for maximum breathability, lowest resistance
- Static dissipative HBM ANSI/ESD SP 15.1 CAFÉ resistance 10<sup>6-7</sup>.
- Seamless comfort.

KAS

Size: S-XXL





- D is branded yarn;
  nt non-branded yarn)

  Qualakote® ESD
  Nylon / PU Palm Dipped
  - Micro-foamed polyurethane palm coating for excellent grip.
  - White nylon yarn for economy.
  - Topical coating of glove for anti-static ESD protection.
  - ANSI/ESD STM 11.11 Surface Resistance 10<sup>7-9</sup>.

PDESDEC
Size: XS-XXL

# **QRP's ESD PROTECTION PRODUCTS**

STATIC DISSIPATIVE (10<sup>5</sup> - 10<sup>7</sup>) ANTI-STATIC (10<sup>8</sup> - 10<sup>12</sup>)

	CLEANROOM G	LOVES	
STYLE Q095	DESCRIPTION  9" White Nitrile	STATIC DISSIPATIVE	ANTI-STATIC
Q125 VHC12	12" White Nitrile 12" Clear Vinyl		~10 <sup>9</sup> ~10 <sup>10</sup>
25G	12" Clear Polyurethane		~109
27G, 28G DBG-NEESD	12" Black Polyurethane Dry Box Glove Anti-static Neoprene	~106	~108
DBG-BTESD	Dry Box Glove Anti-static Butyl		~108

	CLLANKOOM II	NULKCOTS	
STYLE	DESCRIPTION	STATIC DISSIPATIVE	ANTI-STATIC
7C	Pink Anti-static Latex		~1010
8C	Black Static Dissipative Latex	~107	
9C	White Anti-static Nitrile		~109

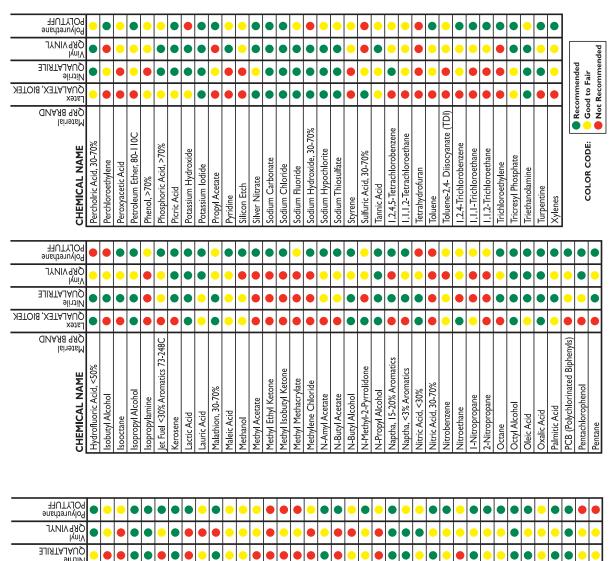
CLEANROOM FINGERCOTS

	KNITTED GLOVES		
STYLE	DESCRIPTION	STATIC DISSIPATIVE	ANTI-STATIC
KAS	Nylon Carbon Knitted Static Dissipative	~107	
PDESDNY	Nylon Carbon Knit/PU Palm Dipped		~108
TDESDNY	Nylon Carbon Knit/PU Finger Tip Dipped		~108
PDESDEC	White Nylon/PU Palm Dipped ESD Coated		~108
PDWS	Medium Weight Nylon Carbon Knit/Nitrile Palm Dip		~108
HWS	Heavy Weight Nylon Carbon Knit/Nitrile Palm Dip		~108

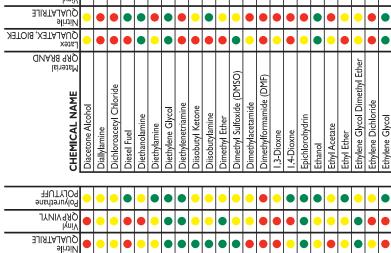
	GENERAL PURPOSE (	GLOVES	
STYLE	DESCRIPTION	STATIC DISSIPATIVE	ANTI-STATIC
4BQF09	9" 4 mil Powder Free Blue Nitrile Exam Glove		~109
BQP09	9" 5 mil Powdered Blue Nitrile Exam Glove		~109
BQF09	9" 5 mil Powder Free Blue Nitrile Exam Glove		~109
BQF12	12" 5 mil Powder Free Blue Nitrile Exam Glove		~109
8BQP09	9" 8 mil Powdered Free Blue Nitrile Exam Glove		~109
8BQF09	9" 8 mil Powder Free Blue Nitrile Exam Glove		~109
BQY09	9" 5 mil Powder Free Industrial Blue Nitrile		~109
SQWF09	9" 3 mil Powder Free White Nitrile Exam Glove		~109
SQBF09	9" 3 mil Powder Free Blue Nitrile Exam Glove		~109
VCYF09	9" 4 mil Powder Free Industrial Vinyl		~1010

	GENERAL PURPOSE	FINGERCOTS	
STYLE	DESCRIPTION	STATIC DISSIPATIVE	ANTI-STATIC
<b>7</b> J	Pink Anti-static Latex		~1010
8J	Black Static Dissipative Latex	~10 <sup>7</sup>	
9J	White Anti-static Nitrile		~109

# **QRP** CHEMICAL RESISTANCE CHART



**1.800.832.3882** QRPgloves.com



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_	Polyurethane POLYTUFF	•	•	•	•	•	•	•	•	•	•	•	•	•	•	<u> </u>	•	•	•	•	•	<u> </u>	•	•	•	•	•	•	•	<u> </u>	•	•	•	•	•	•	•	•	•
	Vinyl QRP VINYL	•	•	•	•	•	_	•	•	•	0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	•	•	•	•	•	0	•	•	•
	Nitrile QUALATRILE	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	0	•	•	•	•	•	•	•	•	•
.EK	Latex QUALATEX, BIOT	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	•	•	•	•	•	•	•	•	•
	CHEMICAL NAME		Acetic Acid	Acetic Anhydride	Acetone	Acetonitrile	Acrylic Acid	Ammonium Acetate	Ammonium Carbonate	Ammonium Fluoride, 30-70%	Ammonium Hydroxide 30-70%	Ammonium Hydroxide <30%	Amly Alcohol	Aniline	Aqua Regia	Benzaldehyde	Benzene	Boric Acid	Bromopropionic Acid	Butyl Acrylate	Butyl Cellusolve	Calcium Hydroxide	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroform	Chloronaphthalenes	Chromic Acid	Cisplatin	Citric Acid, 30-70%	Cyclohexane	Cyclohexanol	Cyclohexanone	Cyclohexylamine	Di-N-Amylamine	Di-N-Butylamine	Di-N-Butyl Phthalate	Di N Octyl Phthalate

TO ORDER OR FOR MORE INFORMATION, CALL 800-832-3882 OR VISIT WWW.QRPGLOVES.COM



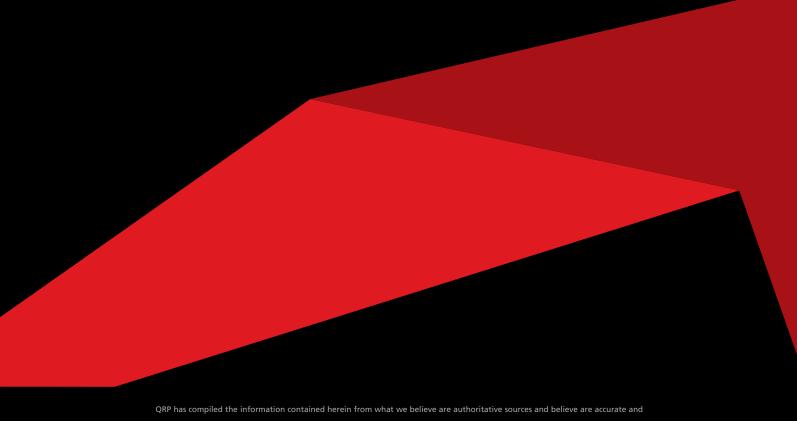
P.O. BOX 27466

TUCSON, AZ 85726-7466

TEL: 800-832-3882

FAX: 520-790-3530

www.QRPGloves.com



QRP has compiled the information contained herein from what we believe are authoritative sources and believe are accurate and factual as of the date printed. It is offered solely as a convenience to our customers and is intended only as a guide concerning the products mentioned. Since the users specific use applications and conditions of use are beyond QRP's control, QRP makes no warranty or representation regarding the results which may be obtained by the user. User assumes all risks and is solely responsible for the suitability and fitness of the product selected for a particular application. User should consider the benefits of double gloving in uncertain situations. In the interests of product improvement, specifications are subject to change without notice.