



**QRP INC.**

## **Safety Data Sheet Qualatrilite Blue Nitrile 9" Powder Free Gloves**

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### **SECTION 1: Identification**

#### **1.1 Product identifier**

Product name	Qualatrilite Blue Nitrile 9" Powder Free Gloves
Product number	4BQF09
Brand	Qualatrilite

#### **1.3 Recommended use of the chemical and restrictions on use**

Qualatrilite Blue Nitrile 9" Powder Free Gloves are recommended for general personal and/or product protection.

#### **1.4 Supplier's details**

Name	QRP Inc.
Address	3781 N. Highway Drive Tucson, AZ 85705 USA
Telephone	520.790.3533
Fax	520.790.3530
email	info@qrpgloves.com

#### **1.5 Emergency phone number(s)**

520.790.3533 8am-4pm MST English

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### **SECTION 2: Hazard identification**

#### **2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture.

#### **2.2 GHS label elements, including precautionary statements**

Not a hazardous substance or mixture.

#### **2.3 Other hazards which do not result in classification**

Not a hazardous substance or mixture.

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### **SECTION 3: Composition/information on ingredients**

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### 3.2 Mixtures

Formula Compound

#### Hazardous components

##### 1. 2-Propenoic acid, 2-methyl-, polymer with 1,3-butadiene and 2-propenenitrile

Concentration >= 96.32 %

Other names / synonyms Nitrile Rubber Latex  
CAS no. 9010-81-5

##### 2. TITANIUM DIOXIDE

Concentration < 1.91 %

Other names / synonyms TiO<sub>2</sub>  
EC no. 236-675-5  
CAS no. 13463-67-7

##### 3. Zinc oxide

Concentration < 0.5 %

Other names / synonyms ZnO  
EC no. 215-222-5  
CAS no. 1314-13-2  
Index no. 030-013-00-7

##### 4. Sulfur

Concentration < 0.48 %

Other names / synonyms Sulfur  
EC no. 231-722-6  
CAS no. 7704-34-9  
Index no. 016-094-00-1

##### 5. zinc bis(dibutyldithiocarbamate)

Concentration < 0.25 %

Other names / synonyms ZDBC  
EC no. 205-232-8  
CAS no. 136-23-2  
Index no. 006-081-00-9

##### 6. BLUE 15 B

Concentration 0.25 %

Other names / synonyms Levanyl (Blue 15 B)  
CAS no. 147-14-8

##### 7. 2-Mercaptobenzothiazole zinc salt

Concentration < 0.24 %

Other names / synonyms ZMBT  
CAS no. 155-04-4

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### 8. POTASSIUM HYDROXIDE liquid

Concentration	< 0.05 %
Other names / synonyms	KOH
EC no.	215-181-3
CAS no.	1310-58-3
Index no.	019-002-00-8

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## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

General advice	Users are advised against touching sensitive skin areas such as the eye, nose, lips and mouth after donning to minimize skin irritations on certain individuals. Because of its protective function, the product is unventilated except at the cuff. Users should replace the product frequently, wash and clean their hands prior to donning the product again to reduce skin fatigue and roughening on the areas in frequent contact with the product.
If inhaled	n/a
In case of skin contact	Wash off with soap and plenty of water.
In case of eye contact	Flush eyes with water as a precaution.
If swallowed	n/a
Personal protective equipment for first-aid responders	none

### 4.2 Most important symptoms/effects, acute and delayed

Irritant contact dermatitis may result from prolonged contact with the product, the causative agents being residual surfactants, certain processing chemicals and inadequate post production processing. There are no evidence of any adverse effects from available information of sulfur, zinc oxide and titanium dioxide. However, presence of residual ZDEC, ZMBT and anti-oxidants on the product surface may cause delayed type IV hypersensitivity e.g. allergic contact dermatitis and chemical allergy. Reactions include itching, burning sensations, blistering, reddening and pain. In chronic cases, users may develop dry and thickened skin, cracks, peeling and crusting.

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

If allergic reaction occurs, discontinue use immediately and consult a physician.

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## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 Specific hazards arising from the chemical

No fire or explosion hazards are associated with these products. They will melt at elevated temperatures.

### 5.3 Special protective actions for fire-fighters

Use standard procedure for combustion material fires, including approved self-contained breathing apparatus.

### Further information

No data available.

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### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

These products are solid articles and are not subject to leak or spill.

#### 6.2 Environmental precautions

n/a

#### 6.3 Methods and materials for containment and cleaning up

n/a

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Do not store gloves/fingercots where temperatures may rise above 40°C / 140°F. Store them in a cool place. Open boxes of gloves/fingercots should be shielded from exposure to direct sun or florescent lighting to prevent discoloration. Nitrile gloves/fingercots should not be stored in damp or high humidity areas.

#### 7.2 Conditions for safe storage, including any incompatibilities

n/a

#### Specific end use(s)

n/a

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### 1. Titanium dioxide - Total dust (CAS: 13463-67-7)

PEL (Inhalation): 15 mg/m<sup>3</sup> (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

##### 2. Titanium dioxide - Total dust (CAS: 13463-67-7)

PEL (Inhalation): See PNOR (Cal/OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

##### 3. Titanium dioxide - Total dust (CAS: 13463-67-7)

REL (Inhalation): Ca, (ultrafine particles), 2.4 mg/m<sup>3</sup> (fine), 0.3 mg/m<sup>3</sup> (ultrafine), See Appendix A, See Appendix C (NIOSH)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

##### 4. Zinc oxide fume (CAS: 1314-13-2)

PEL (Inhalation): 5 mg/m<sup>3</sup> (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

##### 5. Zinc oxide fume (CAS: 1314-13-2)

PEL (Inhalation): 5 mg/m<sup>3</sup>, (ST) 10 mg/m<sup>3</sup> (Cal/OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

##### 6. Zinc oxide fume (CAS: 1314-13-2)

REL (Inhalation): 5 mg/m<sup>3</sup>, (ST) 10 mg/m<sup>3</sup> (NIOSH)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

##### 7. Zinc oxide (CAS: 1314-13-2)

PEL (Inhalation): See PNOR (Cal/OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

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### 8. Zinc oxide, Total dust (CAS: 1314-13-2)

PEL (Inhalation): 15 mg/m<sup>3</sup> (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

### 9. Zinc oxide, Total dust (CAS: 1314-13-2)

PEL (Inhalation): 10 mg/m<sup>3</sup> (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

### 10. Zinc oxide, Total dust (CAS: 1314-13-2)

REL (Inhalation): 5 mg/m<sup>3</sup>, (C) 15 mg/m<sup>3</sup> (NIOSH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

### 11. Zinc oxide, Respirable fraction (CAS: 1314-13-2)

PEL (Inhalation): 5 mg/m<sup>3</sup> (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

### 12. Zinc oxide, Respirable fraction (CAS: 1314-13-2)

PEL (Inhalation): 5 mg/m<sup>3</sup> (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

### 13. Starch (CAS: 9005-25-8)

PEL (Inhalation): See PNOR (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

### 14. Starch, Total dust (CAS: 9005-25-8)

PEL (Inhalation): 15 mg/m<sup>3</sup> (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

### 15. Starch, Total dust (CAS: 9005-25-8)

PEL (Inhalation): 10 mg/m<sup>3</sup> (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

### 16. Starch, Total dust (CAS: 9005-25-8)

REL (Inhalation): 10 mg/m<sup>3</sup> (NIOSH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

### 17. Starch, Respirable fraction (CAS: 9005-25-8)

PEL (Inhalation): 5 mg/m<sup>3</sup> (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

### 18. Starch, Respirable fraction (CAS: 9005-25-8)

PEL (Inhalation): 5 mg/m<sup>3</sup> (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

### 19. Starch, Respirable fraction (CAS: 9005-25-8)

REL (Inhalation): 5 mg/m<sup>3</sup> (NIOSH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

## 8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 8.3 Individual protection measures, such as personal protective equipment (PPE)

### Eye/face protection

Not necessary under conditions of intended use.

### Skin protection

Not necessary under conditions of intended use.

### Body protection

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Not necessary under conditions of intended use.

### Respiratory protection

Not necessary under conditions of intended use.

### Thermal hazards

n/a

### Environmental exposure controls

n/a

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## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form	nitrile gloves
Odor	
Odor threshold	
pH	
Melting point/freezing point	
Initial boiling point and boiling range	
Flash point	
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability limits	
Upper/lower explosive limits	
Vapor pressure	
Vapor density	
Relative density	
Solubility(ies)	Insoluble in water
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

### Other safety information

Avoid contact with copper content material.

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable.

### 10.2 Chemical stability

Stable.

### 10.3 Possibility of hazardous reactions

n/a

### 10.4 Conditions to avoid

n/a

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### 10.5 Incompatible materials

Gloves/fingercots can be contaminated if they come in contact with copper content material.

### 10.6 Hazardous decomposition products

In a fire, these products may produce a black smoke.

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

The program did not find any acute toxicity classifications for components present above relevant thresholds in the product.

#### Skin corrosion/irritation

Could not estimate (did not meet thresholds).

#### Serious eye damage/irritation

None could be determined.

#### Respiratory or skin sensitization

No components included this classification.

#### Germ cell mutagenicity

No components included this classification.

#### Carcinogenicity

IARC carcinogen

Result: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP carcinogen

Result: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.

OSHA carcinogen

Result: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

#### Reproductive toxicity

No components included this classification.

#### Summary of evaluation of the CMR properties

No components included this classification.

#### STOT-single exposure

No components were found exhibiting specific target organ toxicity, single exposure, Cats. 1 or 2, above the minimum cut-off values.

#### STOT-repeated exposure

No components included this classification.

#### Aspiration hazard

No components included this classification.

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### SECTION 12: Ecological information

**Toxicity**

No data available.

**Persistence and degradability**

No data available.

**Bioaccumulative potential**

No data available.

**Mobility in soil**

No data available.

**Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

**Other adverse effects**

No data available.

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### SECTION 13: Disposal considerations

**Disposal of the product**

Refer to applicable local, state, and federal regulations.

**Disposal of contaminated packaging**

Dispose of as unused product.

**Waste treatment**

n/a

**Sewage disposal**

n/a

**Other disposal recommendations**

n/a

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### SECTION 14: Transport information

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

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### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations specific for the product in question

**California Prop. 65 Components**



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## Qualatrilite Blue Nitrile 9" Powder Free Gloves

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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### SECTION 16: Other information

Conformity:

- FDA 1000ml Watertight Test
- EN 455 (1 & 2)
- ASTM D3578-95
- ASTM D3577-91
- ANSI ESD S 11.11-1993
- ESD STM11.12-2000
- Pyrogen Testing per US Pharmacopoeia – Pass
- Intracutaneous Toxicity Test – Pass
- Acute System Toxicity Test (ISO 10993)
- Primary Skin Irritation (ASTM F719-81, re-approved 1992)
- Dermal Sensitization Study (ASTM F201-81, re-approved 1986 Standard Practice for Testing Guinea Pig for Contact Allergens/aka/Guinea Pig Maximization Test)

#### 16.1 Further information/disclaimer

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