QRP INC.

Safety Data Sheet
Qualatex Nitrile Latex-Free Fingercots

SECTION 1: Identification

1.1 Product identifier

Product name	Qualatex Nitrile Latex-Free Fingercots
Product number	9C
Brand	Qualatex

1.3 Recommended use of the chemical and restrictions on use

Qualatex Nitrile Latex-Free Fingercots 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

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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Formula Compound

Hazardous components

1. 2-Propenoic acid, 2-methyl-, polymer with 1,3-butadiene and 2-propenenitrile
Concentration >= 96.57 %

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

2. TITANIUM DIOXIDE
Concentration < 1.91 %

Other names / synonyms TiO2
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. 2-Mercaptobenzothiazole zinc salt
Concentration < 0.24 %

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

7. 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

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.

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.

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

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Do not store gloves/fingercots where temperatures may rise above 40ºC / 140ºF. 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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Titanium dioxide - Total dust (CAS: 13463-67-7)
PEL (Inhalation): 15 mg/m3 (OSHA)
OSHA Annotated Table Z-1, 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

3. Titanium dioxide - Total dust (CAS: 13463-67-7)
REL (Inhalation): Ca, (ultrafine particles), 2.4 mg/m3Ęfine), 0.3 mg/m3(ultrafine), See Appendix A, See Appendix C (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

4. Zinc oxide fume (CAS: 1314-13-2)
PEL (Inhalation): 5 mg/m3 (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

5. Zinc oxide fume (CAS: 1314-13-2)
PEL (Inhalation): 5 mg/m3, (ST) 10 mg/m3 (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

6. Zinc oxide fume (CAS: 1314-13-2)
REL (Inhalation): 5 mg/m3, (ST) 10 mg/m3 (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

7. Zinc oxide (CAS: 1314-13-2)
PEL (Inhalation): See PNOR (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

8. Zinc oxide, Total dust (CAS: 1314-13-2)
PEL (Inhalation): 15 mg/m3 (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

9. Zinc oxide, Total dust (CAS: 1314-13-2)
PEL (Inhalation): 10 mg/m3 (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

10. Zinc oxide, Total dust (CAS: 1314-13-2)
REL (Inhalation): 5 mg/m3, (C) 15 mg/m3 (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

11. Zinc oxide, Respirable fraction (CAS: 1314-13-2)
PEL (Inhalation): 5 mg/m3 (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

12. Zinc oxide, Respirable fraction (CAS: 1314-13-2)
PEL (Inhalation): 5 mg/m3 (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

13. Starch (CAS: 9005-25-8)
PEL (Inhalation): See PNOR (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

14. Starch, Total dust (CAS: 9005-25-8)
PEL (Inhalation): 15 mg/m3 (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

15. Starch, Total dust (CAS: 9005-25-8)
PEL (Inhalation): 10 mg/m3 (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

16. Starch, Total dust (CAS: 9005-25-8)
REL (Inhalation): 10 mg/m3 (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

17. Starch, Respirable fraction (CAS: 9005-25-8)
PEL (Inhalation): 5 mg/m3 (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

18. Starch, Respirable fraction (CAS: 9005-25-8)
PEL (Inhalation): 5 mg/m3 (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

19. Starch, Respirable fraction (CAS: 9005-25-8)
REL (Inhalation): 5 mg/m3 (NIOSH)
OSHA Annotated Table Z-1, 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
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

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	nitrile fingercots
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.

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

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.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
The program did not find any acute toxicity classifictions 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 classificaiton.

Aspiration hazard
No components included this classificaiton.

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.

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

SECTION 14: Transport information

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

SECTION 15: Regulatory information

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

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: Other information

Conformity:
• D 3772-92 ASTM Standard Specification for Rubber Finger Cots
• IES-RP-CC005.2 Gloves and Finger Cots Used in Cleanrooms and Other Controlled Environments
• D 573-88 (1984) e1 ASTM Standard Test Method for Rubber Deterioration in an Air Oven
• 21 CFR 170

16.1 Further information/disclaimer

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Note: Products sold by QRP are included in the Manufactured Article Exemption of the Hazard Communications Regulations in the Code of Federal Regulations (29 CFR 1910.1200). As a result, an SDS is not required. QRP endeavors to provide as much information as is possible about the product in its catalog and product information sheets. This SDS sheet is provided as an informational service to QRP’s customers, to assist them in evaluation of QRP gloves and fingercots.